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NBS TECHNICAL NOTE 814

A Mechanized Information Services Catalog

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A Mechanized Information Services Catalog

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Institute for Computer Science and Technology
National Bureau of Standards
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A MECHANIZED INFORMATION SERVICES CATALOG

Beatrice Marron
Elizabeth Fong
Dennis Fife

NBS is mechanizing a catalog of currently available information sources and services. Information from recent surveys of machine-readable, commercially-available bibliographic data bases, and the various current awareness, batch retrospective, and interactive retrospective services which can access them, has been correlated and converted into a machine-readable data base. A prototype searching capability has been established on an operational interactive retrieval system. Reasons for establishing the catalog and the choice of the initial information are detailed and the prototype implementation is described. Sample queries are included, as well as a to-date listing of the catalog. Plans for future development are discussed.

Key words: Bibliographic data bases; computer-based systems; information services; information systems.

1. INTRODUCTION

Over the past year, in cooperation with the National Science Foundation (NSF) Office of Science Information Service*, the National Bureau of Standards (NBS) has collected, organized, and identified significant technical data on widely available mechanized information services [1, 2, 3, 4, 5, 6, 7]**. Altogether, these strongly point out the broad, increasing scope and variety of automated data bases and services, but also raise questions of how their use can be encouraged and effectively guided to benefit researchers and Government agencies. A few statistics illustrate the dimensions of the problem: at least 80 commercially-available machine-readable bibliographic data bases [3]; at least 150 general-purpose data management software packages [4] and about 50 interactive information retrieval systems [2, 7]; at least 66 information centers offering current awareness or retrospective search services [5].

---

*Interagency Agreement #NSF-CA68.

**Numbers in brackets refer to references at end of report.

Many of the technical and non-technical issues of present concern to managers of information science research and development can only be addressed with rather complete knowledge of these available services. In some disciplines the same data bases are being processed by different systems, resulting in redundant and perhaps more costly services. In other disciplines there is inadequate effort. There are unresolved questions of the value of problem-oriented rather than discipline-oriented data bases and services. There are questions about the legality of interdisciplinary data bases. There are cost/benefit/effectiveness questions revolving around the need for on-line and interactive bibliographic systems vs. the slower but cheaper batch services. There are the problems of copyright, lease and royalty arrangement. There are problems of duplication of coverage, both in the data bases, and in the use of the data bases. There are problems of standardization of formats for citations, tapes, etc. The efficacy of information analysis centers is still being debated. Networking of information services offers solutions, but also poses new problems [8]. Problems of non-standard system protocols must be addressed [9]. Economic factors and user needs [10] must be analyzed.

To assure that accurate, current and convenient-to-use information is available for systems analysis on these problem areas, NBS is mechanizing a catalog of presently available information services. In addition to putting the necessary data "within reach" of computer programs for analysis and modeling, this will encourage use of these services by making their existence and capabilities known through the medium of computer information service itself. Further, as both the technology and the body of data grow, perhaps this catalog of information services could become a resource on one of the emerging information networks.

This report details the creation and use of the catalog to date. In Section 2 the rationale for selection of the systems and services to be included is presented. The implementation of the catalog on an operational interactive retrieval system is described in Section 3. Typical use of the catalog with sample printouts are included in Section 4. Tentative plans for continuation and improvement are presented in Section 5. Finally, a listing of the current contents of the catalog is included in Section 6.

2. SELECTION OF INFORMATION SOURCES AND SERVICES

There is a wealth of recently conducted surveys on mechanized information sources and services [1, 2, 3, 4, 5, 6, 7]. However, the means for correlating the facts presented

in these collections are frequently not available. Thus, while one can, for example, determine relevant machine-readable data bases, one cannot easily determine the availability of systems and services which can access these data bases. Information on current awareness services is not usually included in surveys of batch retrospective services or interactive retrospective services, and vice-versa.

This catalog is an attempt to correlate such information, and to organize it for ready reference from a variety of access points. There was a conscious decision to refrain from conducting further surveys, but rather to use existing information. The primary aim was to create a basic file and demonstrate its feasibility and usefulness. Decisions on mechanisms to expand and maintain the file were deferred to a later date.

With these criteria in mind, it was decided to restrict the initial file to the large commercially-available, machine-readable bibliographic data bases, and three kinds of public retrieval services (current awareness, batch retrospective, and interactive retrospective) that can access them. Later, private files, data files, and in-house services could be added.

The recent "Survey of Commercially Available Computer-Readable Bibliographic Data Bases " [3], conducted by the American Society for Information Science, was chosen as the basis of the initial catalog. The information on the 81 major data bases described therein forms the catalog content on data bases. Many of the catalog record items (originator, contact, address, dates) could be taken directly from the survey document. Some of the record items had to be expanded to increase the catalog's usefulness (abstract, keywords, various alternative spellings of names and acronyms).

There was no well-constructed single source for the three kinds of retrieval services which were to be included. Further complications resulted from some systems offering more than one kind of service (e.g., current awareness as well as retrospective searching). Some systems offered services for a fee, whereas others offered to only sell their software. The decision was made to exclude from the initial catalog those services which were offered only to a limited in-house community of users.

Four recent survey documents were chosen as sources of service information for the initial catalog:

(1) "A Study of Six University-Based Information Systems" [1]. Each of the six systems described in this report access between one and eighteen of the data bases in the catalog. This report documents an earlier phase of this NBS/NSF effort.

(2) "A Survey of Interactive Information Systems" [2]. Some of the service organizations detailed in this report offer other services, in addition to interactive retrospective services. Many of them, however, do not access the major bibliographic data bases. This report is also part of the NBS/NSF effort.

(3) "ASIDIC Survey of Information Center Services" [5]. This report lists for all full members and associate members of the Association of Scientific Information Dissemination Centers (ASIDIC) as well as for responders to a questionnaire, the publicly-available data bases that these organizations process either for current awareness services, retrospective services, or both.

(4) "Survey of Commercially Available Computer-Readable Bibliographic Data Bases" [3]. This document which is the sole source for the catalog content on data bases, also contains a limited amount of information on services.

The information retrieval system chosen for the initial implementation of the catalog, as well as the record structure of the information included, are described in the next section. The catalog content as of November 1973 is listed in Section 6.

3. THE PROTOTYPE SYSTEM

The selection of an operational information storage and retrieval system to establish the catalog is based on a number of factors. Since this work is a continuation of a study of six university-based information systems [1], the decision was made to implement the prototype catalog using one of these six university systems. Among the six, four have interactive query capability: University of California at Los Angeles, Lehigh University, Pittsburgh University, and Stanford University. The Stanford SPIRES system was particularly suitable because it provides not only a generalized data definition language but also facility for on-line data definition and text entry. The design philosophy of SPIRES is especially suited for building and processing of private

files. Therefore, we decided to implement the mechanized information service catalog on SPIRES.

3.1 SPIRES

SPIRES (Stanford Public Information Retrieval System) is a generalized interactive information storage and retrieval system. It is capable of handling both bibliographic data, and numeric and structured data. SPIRES operates as one of the interactive systems on the IBM 360/67 computer at the Stanford Computation Center's Campus facility. SPIRES allows a user to create, update, maintain, interrogate, and display stored information. A full detailed description of the SPIRES system is contained in [11], and a categorical description of the SPIRES system appeared in [1]. The following describes our implementation of the catalog using the SPIRES system.

3.2 Record Structure

The catalog of information services is established under the SPIRES subfile called "DATA BASES." In this SPIRES subfile, each unit record contains data on a commercially-available bibliographic data base. The unit record has a master portion and additional optionally repeating groups of structures. These repeating groups may occur from zero to as many times as needed within a record. The master portion contains information about each individual data base. The optionally repeating groups consist of information on (1) current awareness services, (2) batch retrospective services, and (3) interactive retrospective services which can access this data base.

The master portion of the record contains the following data elements (aliases for the element names are enclosed in parentheses):

DB - a number automatically assigned by SPIRES as the key to every record.

NAME (NAMES, NAM) - Name of the data base.

ORIGINATOR (ORI) - The name of the originator, or data base supplier.

KEYWORDS (KEYWORD, KEY) - List of descriptors describing the subject matter of the data base.

FIRST-DATE (FIRST, FIR) - The first date of the time span covered by the data base.

LAST-DATE (LAST, LAS) - The last date of the time span covered by this data base. If this field is blank, it implies present.

ADDRESS (ADD) - The address of the originator.

PHONE (PHO) - The phone number of the originator.

CONTACT (CON) - The name of the person to contact for further information.

ABSTRACT (ABS) - A prose description of the subject matter and scope of this data base.

ELEMENTS (ELEMENT, ELEM, ELE) - The data elements present in the data base.

FREQUENCY (FRE) - Frequency of issue.

ITEMS (ITEM, ITE) - The average number of source items included each year.

PURCHASE (PUR) - Purchase information.

LEASE (LEA) - Lease information.

Associated with each master portion of the record containing the above fields, is the optionally repeating group describing the search services which can access the data base. The search services are categorized as (1) current awareness services, (2) batch retrospective services, and (3) interactive retrospective services. The record structures for the search services are identical in form, and are distinguished from each other only by the structure name (e.g., "CA;" "BR;" or "IR;") preceding the structure. Each structure has the following elements:

SERVICE-NAME (SER) - The name of the search service.

SOFTWARE (SOF) - The name of the software system providing the search service for the data base.

ORIGINATOR (ORI) - The name of the originator for the search service.

ADDRESS (ADD) - The address of the originator for the search service.

PHONE (PHO) - The phone number of the originator for the search service.

CONTACT (CON) - The name of the person to contact for information about the search service.

ABSTRACT (ABS) - A prose description of the search service and cost information.

There are only four required fields for each record: NAME, ORIGINATOR, KEYWORDS, and FIRST-DATE. All others are optional. Seven fields are currently searchable: NAME, ORIGINATOR, KEYWORDS, SERVICES, SOFTWARE, FIRST-DATE and LAST-DATE. The search terms "ORIGINATOR," "SERVICE" and "SOFTWARE" are combined by SPIRES into one index for searching.

4. USE OF THE CATALOG

This section details the procedure for using the catalog of data bases and associated information services as established on the SPIRES system.

4.1 Terminal Equipment

Access to SPIRES from outside of the Stanford campus area is through the Federal Telecommunications System (FTS) or the public telephone system. SPIRES supports any IBM 2741 compatible terminals or any ASCII (American Standard Code for Information Interchange) compatible terminals. The cathode ray display type devices with keyboard entry are also supported by SPIRES. The following describes the terminal equipment configuration:

Model	IBM 2741 Compatible	ASCII Compatible TTY (or CRT)
Speed	14.7 char/sec	10 char/sec
Code	Correspondence	ASCII
Modem	Bell System 103 Compatible	Bell System 103 Compatible
Mode	Half/Full Duplex	Half duplex

SPIRES will accept both upper and lower case or just upper case.

4.2 Log-on and Log-off Procedures

After setting up the terminal equipment with the proper configuration, the user is ready to dial into the Stanford Computer Center. (Different numbers are used for the two acceptable types of terminals.) When communications have been established, the Stanford computer acknowledges with date and time information. The system then asks for Name, Account, Keyword, Terminal, and Command as illustrated below:

```
STANFORD  69  11/23/73 11:10:31
NAME? fong
ACCOUNT? ▓▓▓▓
KEYWORD? ▓▓▓
TERMINAL? p93
COMMAND ? spires
-WELCOME TO SPIRES-2, FONG
```

After the interactive session, the user must log-off by first issuing a command "EXIT" to exit from SPIRES, and then the command "LOGOFF." The system will furnish time usage information as shown:

```
-? exit
-RETURN TO WYLBUR.
COMMAND ? logoff
11:59:27 10/25/73
ELAPSED TIME = 00:02:43
WYLBUR CPU TIME = 0.01 SECONDS.
ORVYL CPU TIME = 0.83 SECONDS.
END OF SESSION
```

4.3 Illustrative Searches

The SPIRES system awaits the user's request from the terminal by a prompt character "-?". To access the mechanized information services catalog, the user first issues a SPIRES command

```
-? SELECT DATA BASES

-?
```

At this point, the user may enter any valid SPIRES commands and interact with the DATA BASES subfile. The full set of commands appears in reference [12] and only selected commands are presented here.

The "FIND" command serves essentially for interrogation, causing the system to gather a list of records that conform to the criteria stated as part of the command. Any combination of logical operators can be applied in the process of searching to make a result either more precise or more general.

The "TYPE" command causes the search results to be printed at the user's terminal. The elements displayed in each record will be either all the elements occurring in the record, or specified elements only.

Five sample queries are now presented to illustrate the various searching capabilities available on SPIRES.

Example 1

The user queries the system with a data base name (e.g., "Psychological Abstracts"). The system responded with a result of one data base. The user then asks to see all the information about the data base and the various kinds of search services which can access that data base. In this example, the master portion of the record plus two interactive retrieval services that access the Psychological Abstracts data base are shown on page 10.

Example 2

Keywords with logical connectives can be used to form queries. For example, the keywords "CHEMISTRY AND PATENTS" result in five data bases. The user then asks to see the names:

```
   FIND KEYWORD = CHEMISTRY AND PATENTS
-RESULT:     5 DATA-BASE(S)
-? TYPE NAME

 NAME = ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY, PAPER
 CHEMISTRY;

 NAME = PATENT OFFICE MECHANIZED SEARCH SYSTEMS;

 NAME = INDEX TO API ABSTRACTS OF REFINING PATENTS;

 NAME = COMPREHENSIVE DATA BASE OF PATENTS;

 NAME = PATENT CONCORDANCE IN COMPUTER-READABLE FORM, PATENT CONCORDANCE;
-?
```

EXAMPLE 1

```
   find name = psychological abstracts
-RESULT:      1 DATA-BASE(S)
-? type

 DB = 16;
 NAME = PSYCHOLOGICAL ABSTRACTS, PA;
 ORIGINATOR = AMERICAN PSYCHOLOGICAL ASSOCIATION,APA;
 KEYWORDS = SOCIAL SCIENCE, PSYCHOLOGY, BEHAVIORAL SCIENCE;
 FIRST-DATE = 01/--/67;
 ADDRESS = 1200 SEVENTEENTH STREET, N.W. WASHINGTON D.C. 20036;
 PHONE = (202) 833-7610;
 CONTACT = RICHARD P. CAPUTO;
 ABSTRACT = CONTAINS NON-EVALUATIVE SUMMARIES OF THE WORLD'S LITERATURE
IN PSYCHOLOGY AND RELATED DISCIPLINES. PROVIDES INFORMATIVE ABSTRACTS
(INCLUDING SUBJECT POPULATION, TESTS AND MEASUREMENTS,VARIABLES AND
PROCEDURE) WHERE POSSIBLE AND INDICATIVE ABSTRACTS FOR DICURSIVE
MATERIAL.;
 ELEMENTS = TITLE,AUTHOR,ADDRESS,ABSTRACT,CLASSIFICATION,KEYWORDS;
 FREQUENCY = MONTHLY,QUARTERLY,SEMI-ANNUALLY, OR ANNUALLY;
 ITEMS = 24,000;
 PURCHASE = LEASE ONLY;
 LEASE = MAY BE LEASED AS FOLLOWS: CURRENT YEAR - $3,000.00, PREVIOUS
YEAR - $2,000.00. AFTER FIRST YEAR ACQUISITION OF NEW CURRENT YEAR AND
RETENTION OF BACK FILES IS $3,000.00/YEAR. WILL BE LICENSED IN JANUARY
1974.;
 IR;
 SERVICE-NAME = LOCKHEED INFORMATON SERVICES, DIALOG;
   SOFTWARE = DIALOG;
   ORIGINATOR = LOCKHEED INFORMATION SCIENCES, LOCKHEED;
   ADDRESS = 3251 HANOVER STREET, PALO ALTO, CALIFORNIA, 94304;
   PHONE = (415) 493-4411, EXT 45034;
   CONTACT = DR. ROGER SUMMIT;
   ABSTRACT = THE INTERACTIVE RETRIEVAL SYSTEM CAN USE A VARIETY OF
TERMINALS AND COMMUNICATIONS TO ACCESS THE LOCKHEED COMPUTER CENTER:
ANY TELETYPE-COMPATIBLE, DIAL-UP TERMINAL FROM 10 TO 120 CHARACTERS PER
SECOND, AS WELL AS CERTAIN HIGH-SPEED CRT TERMINALS UP TO 480 CPS.
SEVERAL FORMS OF COMMUNICATON ARE AVAILALE, INCLUDING THE TYMSHARE
NATIONAL COMMUNICATONS NETWORK WITH LOCAL NUMBER ACCESS IN OVER 40
CITIES, LOCKHEED'S OWN HIGH-SPEED NETWORK, OR ANY VOICE- GRADE
TELEPHONE LINE. SEARCH CHARGES ARE $25 PER TERMINAL HOUR FOR ERIC AND
NAL/CAIN, $35 FOR NTIS AND PANDEX, AND $50 FOR PSYCHOLOGICAL ABSTRACT.;
 IR;
 SERVICE-NAME = DATA CENTRAL, MEAD DATA CENTRAL;
   SOFTWARE = DATA CENTRAL;
   ORIGINATOR = MEAD TECHNOLOGY LABORATORIES;
   ADDRESS = 1611 NORTH KENT STREET, ARLINGTON, VA. 22209;
   PHONE = (703) 525-2674;
   CONTACT = RICHARD GIERING;
   ABSTRACT = DATA CENTRAL IS A FULL-TEXT SYSTEM. THE COST OF SEARCH
SERVICE IS $5,000 A MONTH.;
-?
```

Example 3

The user may wish to find the names of those data bases that can be accessed via a service-name (e.g., DIALOG). The system finds six data bases and their names are displayed:

```
   FIND SERVICE = DIALOG
-RESULT:      6 DATA-BASE(S)
-? TYPE NAME

 NAME = CURRENT INDEX TO JOURNALS IN EDUCATION, CIJE, ERIC;

 NAME = NATIONAL AGRICULTURAL LIBRARY CAIN DATA BASE, CAIN;

 NAME = PANDEX CURRENT INDEX TO SCIENTIFIC AND TECHNICAL LITERATURE,
PANDEX;

 NAME = PSYCHOLOGICAL ABSTRACTS, PA;

 NAME = RESEARCH IN EDUCATION, RIE, ERIC;

 NAME = GOVERNMENT REPORTS ANNOUNCEMENTS, GRA, USGRDR;
-?
```

Example 4

"BEFORE" and "AFTER" operators are available on numeric data fields or on dates to limit the search result. For instance, the user asks for all the data bases that contain the keyword "MEDICINE," but only those data bases that covered the time span "AFTER 1970." The system finds two such data bases that meet the above criteria. The user asks for the name and the first-date to be displayed:

```
   Find keyword = medicine and first-date after 1970
-RESULT:      2 DATA-BASE(S)
-? type name first-date

 NAME = P.A.S.C.A.L, PASCAL;
 FIRST-DATE = 01/--/72;

 NAME = ABSTRACTS ON HEALTH EFFECTS OF ENVIRONMENTAL POLLUTANTS, HEEP;
 FIRST-DATE = 01/--/72;
-?
```

Example 5

Truncated search capability is available by the use of the pound sign (#). For example, Find Name = Mathemati# would retrieve records whose names contain mathematical, mathematics, etc. In this example, the user asks to see the

names plus their purchase and lease information. More information could be printed if desired.

```
   Find name = mathemati#
-RESULT:      4 DATA-BASE(S)
-? Type name purchase lease

 NAME = MATHEMATICAL TITLE SERVICE/INDEX OF MATHEMATICAL PAPERS, INDEX
OF MATHEMATICAL PAPERS, MATHEMATICAL TITLE SERVICE;
 PURCHASE = LEASE AND LICENSE ONLY.;
 LEASE = $600 FOR THE FIRST YEAR, $60/YEAR THEREAFTER FOR LEASE OR
LICENSE WITH ROYALTY CHARGES FOR LICENSE.;

 NAME = MATHEMATICAL TITLE SERVICE;
 PURCHASE = LEASE AND LICENSE ONLY.;
 LEASE = $1,200/YEAR FOR LEASE OR LICENSE WITH ROYALTY CHARGES FOR
LICENSE.;

 NAME = MATHEMATICAL REVIEWS 5-YEAR INDEX (1965-1969), MATHEMATICAL
REVIEWS;
 PURCHASE = LEASED AND LICENSED ONLY.;
 LEASE = $8,000 FOR THE FIRST YEAR, $800/YEAR THEREAFTER FOR LEASE OR
LICENSE WITH ROYALTY CHARGES FOR LICENSE.;

 NAME = MATHEMATICS OF COMPUTATION VOLUMES 1-23, MATHEMATICS OF
COMPUTATION;
 PURCHASE = LEASE AND LICENSE ONLY.;
 LEASE = $500 FOR FIRST YEAR, $50/YEAR THEREAFTER FOR LEASE AND
LICENSE. ROYALTY CHARGES FOR LICENSE.;
-?
```

4.4 Tutorial Features

SPIRES provides many tutorial features to instruct the user on-line. The command "HELP" may be issued at any time, and will produce different instructions depending on whether:

- the user has not selected a subfile;
- the user has selected a subfile, but has not done anything else;
- the user has a search result;
- the user has an update in progress.

The command "EXPLAIN" is available depending on the needs of the user. "EXPLAIN EVERYTHING" will cause the system to print out a list of "EXPLAIN" commands.

If the user is unacquainted with the subfile, the user may order the system to describe briefly the contents of the subfile. The command that will explain the subfile DATA BASES is:

-? EXPLAIN SUBFILE DATA BASES

A paragraph describing the subfile will be typed out at the user's terminal as follows:

```
   select data bases
-? explain subfile data bases

     The Data Bases subfile contains information on commercially-
available, machine readable, bibliographic data bases, and the
information services which can access these data bases.  The subfile
is structured with the data bases as the unit records, and includes,
for each data base, information on names, address, phone, contact,
originating organization, dates, elements, frequency of issue, keywords,
abstracts, and purchase and lease costs.  In addition, information on
1) current awareness services; 2) batch retrospective services; and
3) interactive retrospective services which can access these data
bases are posted to the unit records.  Information on the three types
of services include service name, organization, software, address,
phone, contact, and abstract.  Only a limited number of these data
elements is currently searchable.
     This data base is being created under an interagency agreement
between the Institute for Computer Sciences and Technology of the
National Bureau of Standards and the National Science Foundation Office
of Science Information Service.  Please contact Bea Marron at NBS, Wash.
D. C. 20234, (301) 921-3485, for further information about the use of
this file.
```

Before the user issues a "FIND" command, he should check the search terms available to him for searching. He can do so by submitting the request

-? SHOW SEARCH TERMS

The data record name, labeled "goal record" plus all the indexed terms will be printed as shown:

```
   show search terms
Goal Records:  DATA-BASE
Simple Index:  NAM, NAME, NAMES
Simple Index:  ORI, ORIGINATOR
Simple Index:  KEY, KEYWORD, KEYWORDS
Simple Index:  SER, SERVICE
Simple Index:  SOF, SOFTWARE
Combined Index Terms:
     FIRST-DATE
     LAST-DATE
-?
```

If the user is confused about the contents of a particular subfile, even after examining the list of search terms, he can use the "BROWSE" command. For the subfile DATA

BASES, the user can "BROWSE NAMES" or "BROWSE KEYWORDS." A letter or the word "FIRST" or "LAST" may be qualified to indicate where one wants to begin browsing. SPIRES types out up to 10 lines and asks the user whether he wants to see more. Note that the "BROWSE NAME" command produces just a few of the names. To see names stored between the displayed values, one can issue a qualified "BROWSE" command. Examples of "BROWSE NAME" and "BROWSE NAME A" are shown below:

```
   browse name
COMPUTERIZED INFORMATION RETRIEVAL SYSTEM OF THE GAS CHROMATOGRAPHY
  LITERATURE
RIE
SABIR
SOCIOLOGICAL ABSTRACTS
STATUTES
TEXTILE TECHNOLOGY DIGEST
TOXICON
USGRDR

-? browse name a
ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY
ABSTRACTS ON HEALTH EFFECTS OF ENVIRONMENTAL POLLUTANTS
AGRICULTURAL ECONOMICS
AMERICA
-MORE? yes
AMERICA
AMERICA: HISTORY AND LIFE
BA
BA PREVIEWS
BIBLIOGRAPHY OF AGRICULTURE
BIOLOGICAL ABSTRACTS
BIOLOGICAL ABSTRACTS PREVIEWS
CA CONDENSATES
CA INTEGRATED SUBJECT FILE
CA SUBJECT FILE
-MORE?
```

An example of "BROWSE FIRST KEYWORDS" is shown below:

```
   browse first keywords
AGRICULTURE
ANIMAL MEDICINE
ASTRONOMY
ATOMIC ENERGY
BEHAVIORAL SCIENCE
BIOCHEMISTRY
BIOLOGICAL SCIENCES
BIOLOGY
BOOKS
-MORE? yes
BOOKS
CANCER
CHEMICAL ENGINEERING
CHEMISTRY
COMPUTER SCIENCE
CRYSTALLOGRAPHY
DRUGS
EARTH SCIENCE
ECONOMICS
EDUCATION
-MORE?
```

5. FUTURE PLANS

Plans for the catalog can be grouped into the following categories:

- Improve the current implementation of the catalog.
- Extend coverage.
- Assess usefulness of the catalog.
- Implement on other systems.
- Define maintenance and improvement mechanisms.
- Establish distribution channels.

The initial implementation of the catalog was, by design, a demonstration of the feasibility and usefulness of the catalog rather than a full exercise of the capabilities of the chosen interactive retrieval system. For this reason, although some deficiencies of our initial file definition in SPIRES were recognized early, we did not enter into a file redefinition phase. For example, it seemed to be a good idea to make all SERVICE-NAMES, regardless of type of service, searchable in a common index. The advantage we sought was that the user would not have to know service type in order to query on SERVICE-NAME. However, this resulted in multiple printings of those services which offer more than one type of service on a data base. Study of the file redefinition capabilities of SPIRES, and analysis of deficiencies in the existing file should be part of the next phase of this effort.

The coverage of the information included in the catalog could be extended in three directions:

1. The records in the present catalog could be expanded to include more details on cost, turn-around times, system protocols, etc.

2. Major non-bibliographic data files, such as census tapes, stock market tapes, and scientific tapes, as well as personal bibliographic or data files could be included.

3. Information services could be expanded to include in-house services.

We have had a number of inquiries on the use of the catalog, but have considered it premature to permit outside

use until there is a significant amount of information in the file. The one exception is the Stanford Library which has been authorized to access the catalog via SPIRES. However, we need to test the usefulness of the catalog to others. While interactive query is a powerful tool, it need not be the only means of access to the information in the catalog. The catalog might, for example, be a useful reference in hard-copy with a variety of indexes.

Two of the tangible products of this NBS/NSF effort are machine-readable copies of the catalog on punched cards and on magnetic tape. This will facilitate installation of this data base on other information systems, perhaps those included in the catalog.

The potential usefulness of this catalog will be very dependent on its currency. Alternative procedures and reporting mechanisms for maintaining the timeliness of the catalog must be studied further. Perhaps a federal library or clearing-house should be assigned the maintenance function. Perhaps a professional society would be a more appropriate organization for this role. The various options must be identified and analyzed for their relative feasibility and effectiveness.

Finally, if this catalog is to be useful, appropriate distribution arrangements must be investigated to provide maximum utility to scientists and decision makers.

6. THE CATALOG

This section contains the contents of the mechanized catalog as of November 1973. This listing is organized in three parts:

6.1 The basic data on each data base.

6.2 The information service entries.

6.3 A cross-index of data base names with associated search services.

Note that the implementation of this catalog on SPIRES interrelates these parts automatically.

NAME OF DATA BASE: ABSTRACTS ON HEALTH EFFECTS OF ENVIRONMENTAL POLLUTANTS, HEEP
ORIGINATOR: BIOSCIENCES INFORMATION SERVICE OF BIOLOGICAL ABSTRACTS,BIOSIS,BIOLOGICAL ABSTRACTS, BA,BIOSCIENCES INFORMATION SERVICE
KEYWORDS: BIOLOGICAL SCIENCES, SCIENCE, MEDICINE, BIOLOGY
TIME SPAN COVERED: FROM 01/--/72 TO PRESENT.
ADDRESS: 2100 ARCH ST., PHILADELPHIA, PA. 19103
PHONE: (215) 568-4016
CONTACT: J.R. SMITH, DIR. FOR R&D
ABSTRACT: COVERS ARTICLES ON OCCUPATIONAL HEALTH AND INDUSTRIAL MEDICINE, CHEMICALS OR SUBSTANCES IN THE ENVIRONMENT WITH EMPHASIS ON HUMAN HEALTH, GENERAL REVIEWS AND ORIGINAL PAPERS REPORTING POTENTIALLY HARMFUL EFFECTS OF POLLUTANTS ON HUMANS, STUDIES OF LOWER VERTEBRATES USED AS INDICATORS OF THE SUBSTANCES TOXIC TO MAN, VERTEBRATES AND INVERTEBRATES AS VECTORS IN THE FOOD CHAIN, AND REPORTS OF ANALYTICAL METHODS FOR EXAMINING BIOLOGICAL TISSUES OR FLUIDS
ELEMENTS: TITLE,KEYWORDS,SUBJECT HEADINGS,CAS REGISTRY NUMBERS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
PURCHASE: LEASE ONLY.
LEASE: LICENSE: $500/YEAR PLUS THE COST OF THE TAPES.

NAME OF DATA BASE: AGRICULTURAL ECONOMICS
ORIGINATOR: AMERICAN AGRICULTURAL ECONOMICS DOCUMENTATION CENTER, NATIONAL AGRICULTURAL LIBRARY, NAL
KEYWORDS: AGRICULTURE, ECONOMICS
TIME SPAN COVERED: FROM 07/--/71 TO PRESENT.
ADDRESS: DOCUMENTATION CENTER, ROOM 1505, USDA, WASHINGTON, D.C. 20250
CONTACT: MR. VERN J. VAN DYKE, COMPUTER APPLICATIONS, NAL
ABSTRACT: DOCUMENTS AUTHORED OR CO-AUTHORED BY AGRICULTURAL ECONOMISTS IN THE UNITED STATES AND CANADA PERTAINING TO AGRICULTURAL MARKETING , AGRICULTURAL POLICIES AND PROGRAMS, AGRICULTURAL PRODUCTS, DEMAND, SUPPLY AND PRICES, FOOD AND CONSUMER ECONOMICS, FOREIGN AND INTERNATIONAL ECONOMICS, PRODUCTION ECONOMICS AND FARM MANAGEMENT, REGIONAL AND HUMAN DEVELOPMENT, RESOURCE AND GENERAL ECONOMICS. THIS DATA BASE IS PRODUCED BY THE NATIONAL AGRICULTURAL LIBRARY FROM CARD IMAGES SUPPLIED BY THE AMERICAN AGRICULTURAL ECONOMICS DOCUMENTATION CENTER.
ELEMENTS: TITLE,KEYWORDS,ABSTRACT,CLASSIFICATION
FREQUENCY OF ISSUE: BI-MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 1200
PURCHASE: $45 A REEL, NORMALLY 1 REEL PER MONTH.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: AMERICA: HISTORY AND LIFE, AMERICA, HISTORY AND LIFE
ORIGINATOR: AMERICAN BIBLIOGRAPHICAL CENTER,ABC-CLIO,ABC
KEYWORDS: HISTORY, SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/54 TO PRESENT.
ADDRESS: ABC-CLIO INC.,2040 ALAMEDA PADRE SERRA,SANTA BARBARA, CALIFORNIA 93103
PHONE: (805) 963-4221
CONTACT: JAMES CRANE
ABSTRACT: ABSTRACTS OF ARTICLES ON UNITED STATES AND CANADIAN HISTORY AND CULTURE FROM PREHISTORIC TIMES TO THE PRESENT. SURVEYS CA. 2300 JOURNALS PUBLISHED IN 99 COUNTRIES.
ELEMENTS: TITLE,AUTHOR,ADDRESS,KEYWORDS,CLASSIFICATION,ABSTRACT
FREQUENCY OF ISSUE: QUARTERLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 3,800
PURCHASE: NOT INDICATED
LEASE: NOT INDICATED

NAME OF DATA BASE: INDEX TO API ABSTRACTS OF REFINING LITERATURE
ORIGINATOR: CENTRAL ABSTRACTING AND INDEXING SERVICE,CAIS, AMERICAN PETROLEUM INSTITUTE, API
KEYWORDS: PETROLEUM, ENGINEERING, CHEMISTRY
TIME SPAN COVERED: FROM 01/--/64 TO 08/--/72
ADDRESS: AMERICAN PETROLEUM INSTITUTE, 1271 AVENUE OF THE AMERICAS, NEW YORK. NEW YORK 10020
PHONE: (212) 586-4203
CONTACT: MR. E. H. BRENNER, MANAGER
ABSTRACT: COVERS ARTICLES ON ALL ASPECTS OF THE PETROLEUM INDUSTRY INCLUDING PETROLEUM PROCESSING, PRODUCTS, AND SUBSTITUTES, PETROCHEMICALS, AIR AND WATER CONSERVATION, ETC.
ELEMENTS: AUTHOR,TITLE,KEYWORDS,SUBJECT HEADINGS,LANGUAGE
FREQUENCY OF ISSUE: MONTHLY WITH 6-MONTH AND ANNUAL CUMULATIONS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 15,000
PURCHASE: SUBSCRIPTION PRICES ARE BASED ON THE GROSS ASSETS OF THE SUBSCRIBER AND RANGE FROM APPROXIMATELY $5,500 TO $23,000.
LEASE: SUBSCRIPTION ONLY

NAME OF DATA BASE: INDEX TO API ABSTRACTS OF REFINING PATENTS
ORIGINATOR: CENTRAL ABSTRACTING AND INDEXING SERVICE,CAIS, AMERICAN PETROLEUM INSTITUTE, API
KEYWORDS: PETROLEUM, ENGINEERING, CHEMISTRY, PATENTS
TIME SPAN COVERED: FROM 01/--/64 TO 06/--/72
ADDRESS: AMERICAN PETROLEUM INSTITUTE, 1271 AVENUE OF THE AMERICAS, NEW YORK, NEW YORK 10020
PHONE: (212) 586-4203
CONTACT: MR. E. H. BRENNER, MANAGER
ABSTRACT: COVERS PATENTS ON ALL ASPECTS OF THE PETROLEUM INDUSTRY INCLUDING PETROLEUM PROCESSES AND PRODUCTS, CHEMICAL PRODUCTS, CONSERVATION, TRANSPORTATION, STORAGE, POLYMERS, AND AGRICULTURE.
ELEMENTS: TITLE, INVENTOR, ASSIGNEE, PATENT NUMBER, DATE, KEYWORDS, SUBJECT HEADINGS
FREQUENCY OF ISSUE: MONTHLY WITH 6-MONTH AND ANNUAL CUMULATIONS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8,000
PURCHASE: SUBSCRIPTION PRICES ARE BASED ON THE GROSS ASSETS OF THE SUBSCRIBER AND RANGE FROM APPROXIMATELY $3,000 TO $21,500.
LEASE: SUBSCRIPTION ONLY

NAME OF DATA BASE: BIOLOGICAL ABSTRACTS PREVIEWS, BA PREVIEWS, BA, BIOLOGICAL ABSTRACTS
ORIGINATOR: BIOSCIENCES INFORMATION SERVICE OF BIOLOGICAL ABSTRACTS, BIOSIS, BIOLOGOCIAL ABSTRACTS
KEYWORDS: BIOLOGICAL SCIENCES, SCIENCE, MEDICINE, BIOLOGY, PHARMACOLOGY
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: 2100 ARCH ST., PHILADELPHIA, PA. 19103
PHONE: (215) 568-4016
CONTACT: J.R. SMITH, DIR. FOR R&D
ABSTRACT: ENTIRE LIFE SCIENCES FIELD INCLUDING MICROBIOLOGY, PLANT AND ANIMAL SCIENCES, EXPERIMENTAL MEDICINE, AGRICULTURE, PHARMACOLOGY, ECOLOGY, AND OTHER INTERDISCIPLINARY AREAS SUCH AS BIOCHEMISTRY, BIOENGINEERING, BIOPHYSICS, ETC.
ELEMENTS: TITLE,KEYWORDS,SUBJECT HEADINGS
FREQUENCY OF ISSUE: BIOLOGICAL ABSTRACTS SECTION - TWICE MONTHLY. BIORESEARCH INDEX SECTION - MONTHLY.
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 240,000
PURCHASE: $5,000/YEAR PLUS THE COST OF THE TAPES.
LEASE: NOT INDICATED WHETHER PURCHASE OR LEASE. SEE PRICES UNDER PURCHASE.

NAME OF DATA BASE: BIBLIOGRAPHY OF AGRICULTURE
ORIGINATOR: CCM INFORMATION CORPORATION,CCM
KEYWORDS: AGRICULTURE
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: 866 THIRD AVENUE NEW YORK, N.Y. 10022
PHONE: (212) 935-4296
CONTACT: BILL J. FUNDERBURK, DIR.
ABSTRACT: THE BIBLIOGRAPHY OF AGRICULTURE IS A BIBLIOGRAPHIC REFERENCE FILE TO THE LITERATURE OF AGRICULTURE AND THE ALLIED SCIENCES RECEIVED IN THE NATIONAL AGRICULTURAL LIBRARY. THIS DATA BASE IS DERIVED FROM THE CAIN DATA BASE PRODUCED BY THE NATIONAL AGRICULTURAL LIBRARY
ELEMENTS: TITLE,AUTHOR,KEYWORDS,SUBJECT HEADINGS,CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 120,000
PURCHASE: $1,000, SUBSCRIPTION
LEASE: $1,000, SUBSCRIPTION

NAME OF DATA BASE: CA INTEGRATED SUBJECT FILE, CA SUBJECT FILE
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL SOCIETY, THE OHQO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: VOLUME INDEX ENTRIES TO CHEMICAL ABSTRACTS (CA) INCLUDING CA CHEMICAL SUBSTANCE INDEX NAMES, GENERAL SUBJECT INDEX ENTRIES, MOLECULAR FORMULAS, CAS REGISTRY NUMBERS AND CA SECTION NUMBERS.
ELEMENTS: INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: SEMI-ANNUAL
LEASE: LEASED ON ANNUAL BASIS AT $6,000.00/YEAR PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: CHEMICAL ABSTRACTS SERVICE SOURCE INDEX, CAS SOURCE INDEX, CAS INDEX
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING
TIME SPAN COVERED: FROM 01/--/00 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: BIBLIOGRAPHIC CITATIONS AND DOCUMENT LOCATING INFORMATION FOR ORIGINAL SOURCE LITERATURE OF CHEMISTRY AND CHEMICAL ENGINEERING.
ELEMENTS: TOTAL INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: QUARTERLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 5,500
LEASE: LEASED ON ANNUAL BASIS AT $1,500.00 (FOR FIRST YEAR) AND $750.00 (FOR SUBSEQUENT YEARS) PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: CHEMICAL ABSTRACTS CONDENSATES, CA CONDENSATES, CAC, CA-C
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING
TIME SPAN COVERED: FROM 07/--/68 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO, 43210
PHONE: 614-422-5022
CONTACT: DR. FRED TATE
ABSTRACT: BIBLIOGRAPHIC CITATIONS PLUS KEYWORD INDEX PHRASES FROM CORRESPONDING ISSUES OF CHEMICAL ABSTRACTS. COVERS DOCUMENTS RELEVANT TO CHEMISTRY AND CHEMICAL ENGINEERING
ELEMENTS: TITLE, AUTHOR, BIBLIOGRAPHIC CITATION, KEYWORDS
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 360,000
LEASE: $4400/YEAR PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE

NAME OF DATA BASE: CHEMICAL-BIOLOGICAL ACTIVITIES, CBAC
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, BIOCHEMISTRY, BIOLOGY
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS,OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: ABSTRACTS COVERING LITERATURE THAT REPORT THE INTERACTIONS OF CHEMICAL SUBSTANCES WITH BIOLOGICAL SYSTEMS IN VIVO AND IN VITRO. THE LITERATURE COVERED INCLUDES JOURNALS, PATENTS, REPORTS AND CONFERENCE AND SYMPOSIUM PROCEEDINGS. DATA IN THIS FILE INCLUDE NAMES AND AFFILIATIONS OF AUTHORS AND PATENT ASSIGNEES, PRIMARY JOURNAL BIBLIOGRAPHIC CITATIONS, DOCUMENT TITLES AND FULL ABSTRACTS, MOLECULAR FORMULAS, NAMES OF SUBSTANCES, CHEMICAL ABSTRACTS SECTION NUMBERS AND CAS REGISTRY NUMBERS.
ELEMENTS: TOTAL INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: BIWEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 34,000 (1973 ESTIMATE)
LEASE: LEASED ON ANNUAL BASIS AT $2,500.00/YEAR PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: CHEMICAL MARKET ABSTRACTS TAPE, CMA TAPE, CMA
ORIGINATOR: PREDICASTS INC.,PREDICASTS
KEYWORDS: CHEMISTRY, SALES, MARKETING
TIME SPAN COVERED: FROM 01/--/72 TO PRESENT.
ADDRESS: UNIVERSITY CIRCLE RESEARCH CENTER, 11001 CEDAR AVE., CLEVELAND, OHIO 44106
PHONE: (216) 795-3000
CONTACT: RAMUNE KUBILIUNAS
ABSTRACT: THE CMA TAPE PROVIDES DIGESTS OF ALL LITERATURE SIGNIFICANT TO CHEMICAL PRODUCTS MARKETING. COVERAGE INCLUDES BOTH DOMESTIC AND FOREIGN INFORMATION ON ALL CHEMICAL PROCESS INDUSTRIES.
ELEMENTS: TITLE,ABSTRACT,CLASSIFICATION,INDEXES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8,000
PURCHASE: SUBSCRIPTION: $500.00/YEAR
LEASE: SUBSCRIPTION: $500.00/YEAR

NAME OF DATA BASE: CHEMICAL TITLES, CT
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING
TIME SPAN COVERED: FROM 01/--/62 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: CURRENT AWARENESS SERVICE THAT REPORTS THE TITLES OF SELECTED PAPERS OF CHEMICAL INTEREST RECENTLY PUBLISHED IN APPROXIMATELY 450 CURRENT JOURNALS. DATA IN THIS FILE INCLUDE NAMES OF AUTHORS, PRIMARY JOURNAL BIBLIOGRAPHIC CITATIONS, AND DOCUMENT TITLES.
ELEMENTS: TOTAL INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: BIWEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 112,000 TITLES (1973 ESTIMATE)
LEASE: LEASED ON ANNUAL BASIS AT $1,700.00/YEAR PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: COMPUTERIZED ENGINEERING INDEX, COMPENDEX
ORIGINATOR: ENGINEERING INDEX INC., ENGINEERING INDEX
KEYWORDS: ENGINEERING
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: 345 E 47TH ST. NEW YORK, N.Y. 10017
CONTACT: JOHN W. CARRIGY, CHIEF.
ABSTRACT: COMPENDEX IS THE MACHINE READABLE VERSION OF THE EI DATA BASE PROVIDING COVERAGE OF THE IMPORTANT CONTENTS OF SOME 3,500 JOURNALS , PUBLICATIONS OF ENGINEERING ORGANIZATIONS AND SOCIETIES, PAPERS FROM THE PROCEEDINGS OF CONFERENCES AS WELL AS SELECTED GOVERNMENT REPORTS AND BOOKS, PUBLISHED WORLDWIDE. THIS INPUT IS ARRANGED UNDER SUBJECT HEADINGS AND SUBHEADINGS FROM A CONTROLLED LIST IN EXCESS OF 12,000 TERMS.
ELEMENTS: TITLE,AUTHOR,ABSTRACT,CLASSIFICATION,KEYWORDS,SUBJECT HEADINGS, ORGANIZATION, CROSS REFERENCES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 85,000
PURCHASE: LEASE AND LICENSE ONLY.
LEASE: BASE FEES: LEASE - $6,500/YEAR OR $23,400 FOR WHOLE SET. LICENSE - $6,000/YEAR OR $21,600 FOR WHOLE SET PLUS ROYALTY CHARGES

NAME OF DATA BASE: COMPREHENSIVE DATA BASE OF PATENTS
ORIGINATOR: IFI/PLENUM DATA COMPANY, IFI/PLENUM, IFI, PLENUM
KEYWORDS: CHEMISTRY, PATENTS
TIME SPAN COVERED: FROM 01/--/50 TO 12/--/71
ADDRESS: 2001 JEFFERSON DAVIS HIGHWAY, SUITE 1100, ARLINGTON, VA. 22202
PHONE: (703) 521-1140
CONTACT: MR. HARRY M. ALLCOCK, VICE PRESIDENT
ABSTRACT: ALL U.S. CHEMICAL AND CHEMICALLY-RELATED PATENTS, PLUS FOREIGN EQUIVALENTS TO U.S. PATENTS FROM GREAT BRITAIN, FRANCE, GERMANY, BELGIUM AND THE NETHERLANDS. SEARCHABLE BY A FRAGMENTATION CODE,COMPOUND REGISTRY SYSTEM, AND GENERAL TERMS.
ELEMENTS: TITLE,ABSTRACT,KEYWORDS,CLASSIFICATION,ASSIGNEE, US PATENT NUMBER, CA REGISTRY NUMBER
FREQUENCY OF ISSUE: QUARTERLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 25,000
PURCHASE: $35,000 FOR MASTER FILE, $16,000 ANNUAL UPDATE CHARGE.SUBSETS: $15,000, $8,000 ANNUAL UPDATE CHARGE.
LEASE: $11,000/YEAR FOR MINIMUM OF 5 YEARS.

NAME OF DATA BASE: COMPUTER BASED NUCLEAR MAGNETIC RESONANCE LITERATURE RETRIEVAL SYSTEM
ORIGINATOR: NATIONAL INSTITUTE OF ARTHRITIC & METABOLIC DISEASES, NATIONAL INSTITUTES OF HEALTH, NIH
KEYWORDS: NUCLEAR SCIENCE, NUCLEAR MAGNETIC RESONANCE
TIME SPAN COVERED: FROM 07/--/64 TO 08/--/71
ADDRESS: NATIONAL INSTITUTES OF HEALTH, BLDG. 2, ROOM B2-02, BETHESDA, MD 20014
CONTACT: DR. EDWIN D. BECKER
ABSTRACT: THIS SYSTEM PERMITS COMPUTER STORAGE AND RETRIEVAL OF INFORMATION FROM PRESTON NMR ABSTRACTS. THE MASTER FILE CONTAINS ALL ABSTRACTS ISSUED FROM JULY 1964 TO PRESENT.
ELEMENTS: TITLE,ORGANIZATION,ADDRESS,DESCRIPTIVE PHRASES
FREQUENCY OF ISSUE: YEARLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,500
PURCHASE: PURCHASE ON NON PROFIT BASIS AT $150.
LEASE: PURCHASE ONLY.

NAME OF DATA BASE: COMPUTERIZED INFORMATION RETRIEVAL SYSTEM OF THE GAS CHROMATOGRAPHY LITERATURE
ORIGINATOR: W. R. GRACE & COMPANY,W. R. GRACE
KEYWORDS: SCIENCE, GAS CHROMATOGRAPHY, CHEMISTRY
TIME SPAN COVERED: FROM 01/--/52 TO 12/--/71
ADDRESS: WASHINGTON RESEARCH CENTER, CLARKSVILLE, MD 21029
CONTACT: ROSEANN GEYER
ABSTRACT: THIS SYSTEM COVERS ALL GAS CHROMATOGRAPHY ABSTRACTS PUBLISHED BY PRESTON TECHNICAL ABSTRACTS SINCE THE INCEPTION OF ITS ABSTRACTING SERVICE, I.E. FROM 1952 TO PRESENT. OVER 25,000 ABSTRACTS ARE INCLUDED. SEARCHES CAN BE MADE FROM A VOCABULARY OF BETTER THAN 16,000 TERMS WHICH HAVE BEEN GROUPED INTO THE FOLLOWING CATAGORIES: 1) SPECIFIC &CLASS OF COMPOUNDS DETERMINED, 2) MATERIALS ANALYZED, 3) MISCELLANEOUS.
ELEMENTS: TITLE,ADDRESS,KEYWORDS
FREQUENCY OF ISSUE: MINIMUM YEARLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,400
PURCHASE: $800 FOR SET,$125 PER UPDATING.
LEASE: PURCHASE ONLY.

NAME OF DATA BASE: CPI MAGNETIC TAPE FILE
ORIGINATOR: INTERNATIONAL SYSTEMS DESIGN INC.
KEYWORDS: CHEMISTRY, PETROLEUM, DRUGS, TEXTILES
TIME SPAN COVERED: FROM 08/--/68 TO 10/--/72
ADDRESS: 2175 LEMOINE AVE., FORT LEE, N.J. 07024
PHONE: (201) 947-4113
CONTACT: MR. LOUIS F. SCHIOPPO
ABSTRACT: COVERS MATERIAL RELEVANT TO 20 MAJOR INDUSTRIES: INORGANIC CHEMICALS, ORGANIC CHEMICALS, CHEMICAL SPECIALTIES, COAL, CPI INDUSTRY DATA, COMPUTERS & EDP, DRUGS, COATINGS, DYESTUFFS, ESSENTIAL OILS, SOAPS & DETERGENTS, TOILETRIES & COSMETICS, FOODSTUFFS, METALS, MINERALS, OILS, FATS & WAXES, PACKAGING, PESTICIDES, PETROLEUM, PLASTICS, PULP & PAPER, RUBBER, TEXTILES, AND FERTILIZERS.
ELEMENTS: TITLE,ADDRESS,ABSTRACT,KEYWORDS,SUBJECT HEADINGS,CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 50,000
PURCHASE: YEARLY SUBSCRIPTION OF DATE FILES 1970,1971 THRU 1972 - $10,000 (INCLUDES RETRIEVAL PROGRAMS). MONTHLY SUBSCRIPTION TO ONE SUB-DATA FILE FOR CURRENT YEAR - $2,000/YEAR.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE ARRANGEMENTS UNDER PURCHASE.

NAME OF DATA BASE: CRYSTALLOGRAPHIC DATA CENTRE BIBLIOGRAPHIC FILE
ORIGINATOR: CRYSTALLOGRAPHIC DATA CENTRE
KEYWORDS: CHEMISTRY, CRYSTALLOGRAPHY
TIME SPAN COVERED: FROM 01/--/35 TO PRESENT.
ADDRESS: UNIVERSITY CHEMICAL LABORATORY, LENSFIELD ROAD, CAMBRIDGE, ENGLAND, CB2 1EW
CONTACT: DR. D. G. WATSON
ABSTRACT: SINGLE CRYSTAL CRYSTALLOGRAPHIC STUDIES BY X-RAY AND NEUTRON DIFFRACTION OF ORGANIC AND ORGANOMETALLIC COMPOUNDS. ONLY COMPLETELY DETERMINED CRYSTAL STRUCTURES ARE INCLUDED IN THE FILE.
ELEMENTS: ABBREVIATED TITLE, INTERNAL CODE NUMBER, CLASSIFICATION, CHEMICAL NOMENCLATURE, MOLECULAR FORMULA
FREQUENCY OF ISSUE: 6 WEEKS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,000
PURCHASE: BASE FEE $250 , SUBSCRIPTION FEE $50/YEAR, UPDATE SERVICE $120/YEAR
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER PURCHASE.

NAME OF DATA BASE: CURRENT INDEX TO JOURNALS IN EDUCATION, CIJE, ERIC
ORIGINATOR: NATIONAL INSTITUTE OF EDUCATION, NIE, EDUCATIONAL RESOURCES INFORMATION CENTER, ERIC, ERIC PROCESSING AND REFERENCE FACILITY
KEYWORDS: EDUCATION
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: ERIC PROCESSING AND REFERENCE FACILITY, 4833 RUGBY AVE., SUITE 303, BETHESDA, MARYLAND, 20014
PHONE: 301-656-9723
CONTACT: MR. W.T. BRANDHORST
ABSTRACT: CIJE IS A MONTHLY ABSTRACT JOURNAL, ISSUED ALSO ON MAGNETIC TAPE, ANNOUNCING JOURNAL ARTICLES IN THE FIELD OF EDUCATION AND EDUCATION-RELATED MATERIALS. RIE, RESEARCH IN EDUCATION, IS ALSO ISSUED BY NIE.
ELEMENTS: TITLE, AUTHOR, KEYWORDS, ABSTRACT, ANNOTATION
FREQUENCY OF ISSUE: MONTHLY, QUARTERLY AND ANNUAL OPTIONS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 20,000 ARTICLES
PURCHASE: $80 PER TAPE REEL

NAME OF DATA BASE: CURRENT PROGRAMS
ORIGINATOR: WORLD MEETINGS INFORMATION CENTER INC.,WORLD MEETINGS
KEYWORDS: SCIENCE, INTERDISCIPLINARY
TIME SPAN COVERED: FROM 10/--/72 TO PRESENT.
ADDRESS: 824 BOYLSTON ST., CHESTNUT HILL, MA. 02167
PHONE: (617) 731-4440
CONTACT: HARRY BAUM
ABSTRACT: SCIENTIFIC AND TECHNICAL MEETINGS PROGRAMS, INCLUDING BIOMEDICAL AREA. SUBJECT AREAS INCLUDE AEROSPACE SCIENCES AND ENGINEERING, ANIMAL & PLANT SCIENCE, BIOCHEMISTRY, BIOLOGY, CHEMISTRY & CHEMICAL ENGINEERING, MECHANICAL & CIVIL ENGINEERING, CLINICAL MEDICINE, ELECTRONICS, EXPERIMENTAL BIOLOGY AND MEDICINE, GEOSCIENCES, MATERIALS SCIENCE AND ENGINEERING, MATHEMATICS, PHARMACOLOGY, PHYSICS & ASTRONOMY, AND POWER AND NUCLEAR ENGINEERING.
ELEMENTS: TITLE,KEYWORDS,ADDRESS,WORLD MEETINGS REGISTRY NUMBERS, ORGANIZATION, DATE, LOCATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 1,200 MEETING PROGRAMS, 120,000 PAPERS
PURCHASE: INFORMATION AVAILABLE FROM B. J. FUNDERBUNK, CCMIC, 866 THIRD AVE.,NEW YORK,NEW YORK 10022
LEASE: INFORMATION AVAILABLE FROM B. J. FUNDERBUNK, CCMIC

NAME OF DATA BASE: ELECTRONICS MARKET ABSTRACTS TAPE, EMA TAPE, EMA
ORIGINATOR: PREDICASTS INC.,PREDICASTS
KEYWORDS: ELECTRONICS, SALES, MARKETING
TIME SPAN COVERED: FROM 07/--/72 TO PRESENT.
ADDRESS: UNIVERSITY CIRCLE RESEARCH CENTER, 11001 CEDAR AVE., CLEVELAND, OHIO 44106
PHONE: (216) 795-3000
CONTACT: RAMUNE KUBILIUNAS
ABSTRACT: AN EMA TAPE PROVIDES DIGESTS OF ALL LITERATURE SIGNIFICANT TO ELECTRONICS MARKETS. COVERAGE INCLUDES BOTH DOMESTIC AND FOREIGN INFORMATION ON COMPUTERS, COMMUNICATIONS SYSTEMS, AND EQUIPMENT, CONSUMER ELECTRONICS, AEROSPACE, ELECTRONIC COMPONENTS, INSTRUMENTS, CATV, AND OTHER ELECTRONICS MARKETS.
ELEMENTS: TITLE,ABSTRACT,CLASSIFICATION,INDEXES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8000
PURCHASE: SUBSCRIPTION: $500.00/YEAR
LEASE: SUBSCRIPTION: $500.00/YEAR

NAME OF DATA BASE: EPILEPSY ABSTRACTS
ORIGINATOR: NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE, NIH, NATIONAL INSTITUTES OF HEALTH
KEYWORDS: MEDICINE
TIME SPAN COVERED: FROM 01/--/47 TO 12/--/72
ADDRESS: SECTION ON EPILEPSY, NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE, BETHESDA, MARYLAND 20014
PHONE: (301) 496-6691
CONTACT: J. KIFFIN PENRY, M.D.
ABSTRACT: COVERS MATERIAL ON BASIC NEUROSCIENCES AND CLINICAL ASPECTS OF EPILEPSY.
ELEMENTS: TITLE,ADDRESS,ABSTRACT,KEYWORDS
FREQUENCY OF ISSUE: ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 1,550
PURCHASE: NO CHARGE. TAPE SUPPLIED BY USER.
LEASE: SEE PURCHASE.

NAME OF DATA BASE: EXCERPTA MEDICA
ORIGINATOR: EXCERPTA MEDICA FOUNDATION, EXCERPTA MEDICA
KEYWORDS: MEDICINE, BIOLOGICAL SCIENCES, HEALTH, BIOLOGY, PHARMACOLOGY
TIME SPAN COVERED: FROM 09/--/68 TO PRESENT.
ADDRESS: HERENGRACHT 364, AMSTERDAM, THE NETHERLANDS (IN U.S. CONTACT 3I CO.,2101 WALNUT STREET, PHILADELPHIA,PENN.19103)
PHONE: 020-222138
CONTACT: DR. P. J. VINKEN
ABSTRACT: COVERS ARTICLES ON MEDICINE , MEDICAL SPECIALTIES, PHARMACY AND PHARMACOLOGY, THE BASIC BIOLOGICAL SCIENCES TO THE EXTENT THAT THE ARTICLES ARE RELEVANT TO HUMAN MEDICINE, AND THE CHEMICAL SYNTHESIS OR DETERMINATION OF DRUGS AND POTENTIAL DRUGS.
ELEMENTS: TITLE,AUTHOR,ABSTRACT,KEYWORDS,CLASSIFICATION,SUBJECT HEADINGS, CODEN
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 250,000
PURCHASE: COSTS ARE TO BE NEGOTIATED
LEASE: COSTS ARE TO BE NEGOTIATED

NAME OF DATA BASE: F&S INDEX TAPE, F&S INDEX, F&S
ORIGINATOR: PREDICASTS INC.,PREDICASTS
KEYWORDS: MARKETING
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: UNIVERSITY CIRCLE RESEARCH CENTER, 11001 CEDAR AVE., CLEVELAND, OHIO 44106
PHONE: (216) 795-3000
CONTACT: RAMUNE KUBILIUNAS
ABSTRACT: THE F&S INDEX TAPE CONTAINS INDEX BRIEFS FROM OVER 1000 LEADING U.S. AND INTERNATIONAL BUSINESS, FINANCIAL AND TRADE MAGAZINES, KEY NEWSPAPERS, BANK LETTERS, CONGRESSIONAL HEARINGS,ANALYTIC REPORTS OF GOVERNMENT AGENCIES, AND INVESTMENT ADVISORY SERVICES.
ELEMENTS: TITLE,ABSTRACT,CLASSIFICATION,INDEXES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 200,000
PURCHASE: SUBSCRIPTION: $1,500.00/YEAR
LEASE: SUBSCRIPTION: $1,500.00/YEAR

NAME OF DATA BASE: FOOD SCIENCE & TECHNOLOGY ABSTRACTS
ORIGINATOR: INTERNATIONAL FOOD INFORMATION SERVICE,IFIS
KEYWORDS: SCIENCE, TECHNOLOGY, PATENTS, AGRICULTURE
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: NIRD, SHINFIELD, READING, BERKS, U.K.
CONTACT: DR. SCHUTZACK IFIS, IDW, HERIOTSTRASSE, FRANKFURT, W. GERMANY
ABSTRACT: COVERS JOURNALS, PATENTS, AND BOOKS ON FOOD SCIENCE AND TECHNOLOGY.
ELEMENTS: TITLE,ADDRESS,ABSTRACT,KEYWORDS,SUBJECT HEADINGS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 16,500
PURCHASE: LEASE ONLY
LEASE: $1,750/YEAR

NAME OF DATA BASE: FRUITS
ORIGINATOR: INSTITUT FRANCAIS DE RECHERCHES FRUITIERES OUTRE MER
KEYWORDS: AGRICULTURE, FRUITS
TIME SPAN COVERED: FROM 01/--/63 TO PRESENT.
ADDRESS: 6, RUE DU GENERAL CLERGERIE, PARIS 16, FRANCE
CONTACT: M. SIMONOT
ABSTRACT: FRUITS TROPICAUX ET SUBTROPICAUX, CULTURE, TRANSPORT, TECHNOLOGIE, PRODUITS TRANSFORMES. LE SYSTÈME EST ACTUELLEMENT UTILISE POUR L'EDITION DE BIBLIOGRAPHIES ET D'INDEX IMPRIMES, PUBLIES CHAQUE MOIS DANS LA REVUE FRUITS. MAIS LA RECHERCHE RETROSPECTIVE SUR PLUSIEURS ANNEES SE FERA DANS L'AVENIR PAR INTERROGATION DIRECTE DE LA MEMOIRE.
ELEMENTS: TITLE, ORGANIZATION, ABSTRACT, DESCRIPTORS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: NOT INDICATED
PURCHASE: NOT INDICATED
LEASE: NOT INDICATED

NAME OF DATA BASE: GEOLOGICAL REFERENCE FILE, GEO-REF, GEOREF, GEO REF
ORIGINATOR: AMERICAN GEOLOGICAL INSTITUTE,AGI
KEYWORDS: SCIENCE, EARTH SCIENCE, GEOLOGY
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: 2201 M ST. N.W. WASHINGTON D.C. 20037
PHONE: NOT INDICATED
CONTACT: BRUCE ADKINS OR PHIL JOHNSON
ABSTRACT: GEO REF COMPUTER TAPES CONTAIN REFERENCES TO WORLD WIDE GEOLOGICAL AND EARTH SCIENCES LITERATURE. THE RETROSPECTIVE DATA BASE CONTAINED NEARLY 130,000 CITATIONS AT THE END OF 1971 DRAWN FROM ALMOST 3,000 SERIAL JOURNALS, MONOGRAPHS, SYMPOSIA PROCEEDINGS, DISSERTATIONS AND CONTRACT REPORTS, PUBLISHED IN 35 DIFFERENT LANGUAGES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 40,000
PURCHASE: LEASE ONLY
LEASE: $0.10 PER REFERENCE ($350-400 MONTHLY) PLUS ROYALTY CHARGES.

NAME OF DATA BASE: GOVERNMENT REPORTS ANNOUNCEMENTS, GRA, USGRDR
ORIGINATOR: NATIONAL TECHNICAL INFORMATION SERVICE, NTIS
KEYWORDS: MULTIDISCIPLINARY, SCIENCE, SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/64 TO PRESENT.
ADDRESS: 5285 PORT ROYAL ROAD, SPRINGFIELD, VIRGINIA, 22151
PHONE: 703-321-8525
CONTACT: MR. MARVIN WILSON
ABSTRACT: GRA TAPES COVER THE GOVERNMENT REPORTS ISSUED BY NTIS. THIS DATA BASE WAS FORMERLY CALLED U.S. GOVERNMENT RESEARCH AND DEVELOPMENT REPORTS (USGRDR).
ELEMENTS: TITLE, AUTHOR, CORPORATE AUTHOR, KEYWORDS, COSATI CLASSIFICATION, ABSTRACT
FREQUENCY OF ISSUE: SEMI-MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 56,000
PURCHASE: $2000/YEAR

NAME OF DATA BASE: INDEX CHEMICUS REGISTRY SYSTEM, ICRS
ORIGINATOR: INSTITUTE FOR SCIENTIFIC INFORMATION,ISI
KEYWORDS: CHEMISTRY
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: 325 CHESTNUT ST. PHILADELPHIA, PA. 19106
PHONE: (215) 923-3300
CONTACT: CHARLES E. GRANITO
ABSTRACT: ARTICLES REPORTING NEW CHEMICAL COMPOUNDS OR REACTIONS (OVER 150,000 PER YEAR) ARE INPUT FOR SERVICE. APPROXIMATELY 15,000 ARTICLES PER YEAR ARE INCLUDED IN THE DATA BASE. SEARCHABLE ELEMENTS INCLUDE TITLE, AUTHOR(S), ORGANIZATION, SUBJECT TERMS ASSIGNED BY CHEMISTS AT ISI, USE PROFILES, ANALYTICAL DATA CODES, JOURNAL CITATION, MOLECULAR FORMULA AND WISWESSER LINE NOTATION (FOR CHEMICAL STRUCTURES).
ELEMENTS: TITLE,AUTHOR,ADDRESS,KEYWORDS,BIBLIOGRAPHIC CITATION, MOLECULAR FORMULA, WISSWESSER NOTATIONS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 15,000
PURCHASE: $9,500/YEAR
LEASE: $9,500/YEAR,$7,500/YEAR FOR BACKFILES, MULTIPLE YEAR DISCOUNTS AVAILABLE.

NAME OF DATA BASE: MATHEMATICAL TITLE SERVICE/INDEX OF MATHEMATICAL PAPERS, INDEX OF MATHEMATICAL PAPERS, MATHEMATICAL TITLE SERVICE
ORIGINATOR: AMERICAN MATHEMATICAL SOCIETY,AMS
KEYWORDS: MATHEMATICS
TIME SPAN COVERED: FROM 07/--/70 TO PRESENT.
ADDRESS: INFORMATION SYSTEMS DEVELOPMENT, P.O. BOX 6248, PROVIDENCE, R.I. 02904
PHONE: (401) 272-9500
CONTACT: SAMUEL B. WHIDDEN, DIR.
ABSTRACT: ARTICLES IN MATHEMATICS AND RELATED FIELDS. 6-MONTH COVERAGE INCLUDES ALL ARTICLES RECEIVED FOR PROCESSING WITHIN THAT 6-MONTH PERIOD. THIS DATA BASE UTILIZES THE SAME ARTICLES COVERED BY THE MATHEMATICAL TITLE SERVICE MONTHLY COVERAGE. EACH 6-MONTH FILE IS AVAILABLE IN PUBLISHED FORM FROM THE SOCIETY AS THE INDEX OF MATHEMATICAL PAPERS.
ELEMENTS: TITLE, AUTHOR, CLASSIFICATION, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: 6 MONTHS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 11,000
PURCHASE: LEASE AND LICENSE ONLY.
LEASE: $600 FOR THE FIRST YEAR, $60/YEAR THEREAFTER FOR LEASE OR LICENSE WITH ROYALTY CHARGES FOR LICENSE.

NAME OF DATA BASE: INSPEC
ORIGINATOR: INSPEC, INSTITUTION OF ELECTRICAL ENGINEERS
KEYWORDS: PHYSICS, ENGINEERING, COMPUTER SCIENCE, ELECTRONICS, PATENTS
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: THE INSTITUTION OF ELECTRICAL ENGINEERS, SAVOY PLACE, LONDON WC2R OBL, ENGLAND
PHONE: 01-240 1871
CONTACT: MISS B. ROSENBERG
ABSTRACT: COVERS MATERIAL ON PHYSICS, ELECTRICAL AND ELECTRONICS ENGINEERING, AND COMPUTERS AND CONTROL ENGINEERING. TWO TAPES ARE PRODUCED AND DISTRIBUTED: INSPEC-1 INCLUDES ABSTRACTS, INSPEC-2 DOES NOT.
ELEMENTS: ADDRESS,ABSTRACT,SUBJECT HEADINGS,CLASSIFICATION, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: BIWEEKLY OR MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 150,000
PURCHASE: LEASE ONLY
LEASE: SUBSCRIPTION RATES . NGE FROM $3,400 TO $6,000 PER YEAR.

NAME OF DATA BASE: INTERNATIONAL LABOUR DOCUMENTATION
ORIGINATOR: INTERNATIONAL LABOUR OFFICE
KEYWORDS: SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: 1211 GENEVA 22, SWITZERLAND
PHONE: (022) 32.62.00
CONTACT: G. K. THOMPSON
ABSTRACT: COVERS ARTICLES DEALING WITH ALL ASPECTS OF LABOR, SUCH AS MANPOWER PLANNING, INDUSTRIAL RELATIONS, VOCATIONAL TRAINING, WAGES, DISCRIMINATION, ETC., PLUS ECONOMIC & SOCIAL DEVELOPMENT, AND PROBLEMS OF DEVELOPING COUNTRIES.
ELEMENTS: TITLE,ABSTRACT,KEYWORDS,CLASSIFICATION,BIBLIOGRAPHIC CITATION, LANGUAGE
FREQUENCY OF ISSUE: SEMI-MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 7,000
PURCHASE: NOT AVAILABLE FOR USE BY COMMERCIAL FIRMS. BONA FIDE RESEARCH INSTITUTIONS ARE CHARGED HANDLING FEE & COPYING COSTS.
LEASE: SEE PURCHASE

NAME OF DATA BASE: INTERNATIONAL NUCLEAR INFORMATION SYSTEM, INIS
ORIGINATOR: INTERNATIONAL ATOMIC ENERGY AGENCY,IAEA
KEYWORDS: SCIENCE, NUCLEAR SCIENCE, ATOMIC ENERGY
TIME SPAN COVERED: FROM 04/--/70 TO PRESENT.
ADDRESS: INIS SECTION, KARTNER RING 11, P.O. BOX 590, A-1011, VIENNA, AUSTRIA
CONTACT: THE INIS LIAISON OFFICERS
ABSTRACT: COVERS MATERIAL DEALING WITH PEACEFUL USES OF NUCLEAR SCIENCE AND TECHNOLOGY, PHYSICAL SCIENCES, CHEMISTRY, MATERIALS AND EARTH SCIENCES, ISOTOPES, ISOTOPE AND RADIATION APPLICATIONS, ENGINEERING AND TECHNOLOGY, AND OTHER ASPECTS OF NUCLEAR ENERGY.
ELEMENTS: TITLE,AUTHOR,CORPORATE AUTHOR,KEYWORDS,CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 45,000
PURCHASE: AVAILABLE FREE OF CHARGE ONLY TO MEMBER STATES PARTICIPATING IN INIS.
LEASE: SEE PURCHASE.

NAME OF DATA BASE: IPA INFORMATION SYSTEM, INTERNATIONAL PHARMACEUTICAL ABSTRACTS
ORIGINATOR: AMERICAN SOCIETY OF HOSPITAL PHARMACISTS, INTERNATIONAL PHARMACEUTICAL ABSTRACTS
KEYWORDS: MEDICINE, HEALTH, PHARMACOLOGY
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: 4630 MONTGOMERY AVE., WASHINGTON, D. C. 20014
CONTACT: D.R. TOUSIGNAUT, ED. IPA
ABSTRACT: COVERS ARTICLES, GOVERNMENT REPORTS, AND PATENTS RELATED TO PHARMACOLOGY, MEDICINE, AND HEALTH.
ELEMENTS: TITLE,CLASSIFICATION,SUBJECT HEADINGS,ADDRESS, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: AS REQUESTED
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 6,000
PURCHASE: ANNUAL UPDATE - $550.00. SEMIANNUAL UPDATE - $850.00. QUARTERLY UPDATE - $1,500.00.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER PURCHASE.

NAME OF DATA BASE: INTERNATIONAL TREE DISEASE REGISTER, INTREDIS
ORIGINATOR: U.S. FOREST SERVICE, NATIONAL AGRICULTURAL LIBRARY,NAL
KEYWORDS: AGRICULTURE, FORESTRY
TIME SPAN COVERED: FROM 01/--/72 TO PRESENT.
ADDRESS: SOUTHEASTERN FOREST EXPERIMENTATION STATION, CARLTON STREET, ATHENS, GEORGIA 30601
CONTACT: MR. VERN J. VAN DYKE, COMPUTER APPLICATIONS, NAL
ABSTRACT: COVERS MATERIAL ON PLANT PATHOLOGY: HOSTS AND CAUSAL ORGANISM. THIS DATA BASE IS KEYED AND PRODUCED AT THE NATIONAL AGRICULTURAL LIBRARY FROM SOURCE DOCUMENTS SUPPLIED BY THE U.S. FOREST SERVICE.
ELEMENTS: TITLE,KEYWORDS,AUTHOR
FREQUENCY OF ISSUE: ON REQUEST
PURCHASE: $45 A REEL, NORMALLY 1 REEL PER MONTH.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: IOWA DRUG INFORMATION SERVICE, IDIS
ORIGINATOR: IOWA DRUG INFORMATION SERVICE,IDIS
KEYWORDS: MEDICINE, HEALTH, PHARMACOLOGY, DRUGS
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: COLLEGE OF PHARMACY, UNIVERSITY OF IOWA, IOWA CITY, IOWA 52240
CONTACT: WILLIAM W. TESTER
ABSTRACT: ARTICLES FROM 150 JOURNALS PERTAINING TO DRUGS AND DRUG THERAPY ARE INDEXED BY DRUG, DISEASE STATE, AND PHARMACEUTIC AND CLINICAL DESCRIPTORS. COVERAGE OF PHARMACY AND MEDICAL JOURNALS BEGAN WITH 1966 ISSUES.
ELEMENTS: TITLE,KEYWORDS,SUBJECT HEADINGS,CLASSIFICATION, ORGANIZATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 6,000
PURCHASE: SUBSCRIPTION $900.00 . ARRANGEMENTS FOR BACKFILES ALSO POSSIBLE.
LEASE: SUBSCRIPTION ONLY. SEE PRICES UNDER PURCHASE.

NAME OF DATA BASE: ISI CITATION MAGNETIC TAPES, ISI CITATION TAPES
ORIGINATOR: INSTITUTE FOR SCIENTIFIC INFORMATION,ISI
KEYWORDS: SCIENCE, MEDICINE, ENGINEERING, LIFE SCIENCE
TIME SPAN COVERED: FROM 01/--/64 TO PRESENT.
ADDRESS: 325 CHESTNUT ST. PHILADELPHIA, PA. 19106
PHONE: (215) 923-3300
CONTACT: MELVIN WEINSTOCK
ABSTRACT: COVERS ARTICLES APPEARING IN THE PRIME JOURNALS OF SCIENCE, BASIC AND APPLIED, ENGINEERING, TECHNOLOGY, LIFE SCIENCES, MEDICINE. ISI ALSO PRODUCES ISI SOURCE MAGNETIC TAPES
ELEMENTS: AUTHOR,CITATION INDEXES
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 374,000
PURCHASE: NOT SPECIFIED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER LEASE.
LEASE: $12,000/YEAR.

NAME OF DATA BASE: ISI SOURCE INDEX MAGNETIC TAPES, ISI SOURCE INDEX
ORIGINATOR: INSTITUTE FOR SCIENTIFIC INFORMATION,ISI
KEYWORDS: SCIENCE, MEDICINE, ENGINEERING, LIFE SCIENCE
TIME SPAN COVERED: FROM 01/--/64 TO PRESENT.
ADDRESS: 325 CHESTNUT ST. PHILADELPHIA, PA. 19106
PHONE: (215) 923-3300
CONTACT: MELVIN WEINSTOCK
ABSTRACT: COVERS ARTICLES APPEARING IN THE PRIME JOURNALS OF SCIENCE, BASIC AND APPLIED, ENGINEERING, TECHNOLOGY, LIFE SCIENCES, MEDICINE. ISI ALSO PRODUCES ISI CITATION TAPES.
ELEMENTS: TITLE,AUTHOR,ADDRESS,BIBLIOGRAPHIC CITATION, LANGUAGE, WORD-IN-TITLE INDEXES
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 374,000
PURCHASE: NOT SPECIFIED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER LEASE.
LEASE: $8,000/YEAR,$4,000/YEAR FOR BACKFILES.

NAME OF DATA BASE: INVENTORY OF PUBLISHED RESEARCH IN MARRIAGE AND FAMILY BEHAVIOR, MARRIAGE AND FAMILY BEHAVIOR, MARRIAGE, FAMILY BEHAVIOR
ORIGINATOR: FAMILY STUDY CENTER
KEYWORDS: SOCIOLOGY, PSYCHOLOGY, PSYCHIATRY, SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/00 TO PRESENT.
ADDRESS: 1014 SOCIAL SCIENCE BUILDING, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINNESOTA 55455
PHONE: 612-373-0341
CONTACT: NANCY S. DAHL
ABSTRACT: THE SCOPE OF THE INVENTORY'S COVERAGE ON THE FAMILY CAN BE DESCRIBED BY INDICATING WHAT IS NOT INCLUDED. (1)UNPUBLISHED THESES UNLESS THE FINDINGS WERE PUBLISHED, (2)HORTATORY PRESCRIPTIONS FOR MARRYING, PROCREATING, OR PARENTING, (3)SOCIAL, PHYSICAL, PSYCHOLOGICAL, OR HEREDITARY CHARACTERISTICS OF INDIVIDUALS WHERE THE FOCUS WAS NOT ON THEIR BEHAVIOR IN THE FAMILY, (4)POPULATION RATES WITH NO DISCUSSION SHOWING THE SIGNIFICANCE OF THE DATA FOR THE STUDY OF MARRIAGE OR FAMILY BEHAVIOR, (5)TEXTBOOKS AND OTHER SECONDARY SOURCES UNLESS CONTAINING RESEARCH NOT PUBLISHED ELSEWHERE, (6)NON-SYSTEMATIC WORKS IN POPULAR STYLE DIRECTED TO THE LAY PUBLIC, (7)LEGAL TREATISES.
ELEMENTS: TITLE, AUTHOR, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: NOT INDICATED
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,000
PURCHASE: NOT INDICATED
LEASE: NOT INDICATED

NAME OF DATA BASE: MARC DISTRIBUTION SERVICE (BOOKS), MARC BOOKS, MARC
ORIGINATOR: LIBRARY OF CONGRESS, LC
KEYWORDS: LIBRARIES, MULTIDISCIPLINARY, BOOKS
TIME SPAN COVERED: FROM 01/--/68 TO PRESENT.
ADDRESS: CARD DIVISION, LIBRARY OF CONGRESS, NAVY YARD ANNEX, BUILDING 159, WASHINGTON, D.C. 20541
PHONE: (202) 426-6167
CONTACT: MARC DISTRIBUTION SERVICE
ABSTRACT: INCLUDES BOOKS IN ALL SUBJECTS COLLECTED BY LC. RECORDS ARE LIMITED TO ENGLISH LANGUAGE MATERIAL CATALOGED SINCE 1968. FRENCH LANGUAGE MATERIAL WILL BE ADDED TO THE DATA BASE SOMETIME IN 1973.
ELEMENTS: TITLE,SUBJECT HEADINGS,ORGANIZATION,LC CATALOG INFORMATION
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 70,000
PURCHASE: SUBSCRIPTION: $1,000/YEAR
LEASE: SUBSCRIPTION: $1,000/YEAR

NAME OF DATA BASE: MARC DISTRIBUTION SERVICE (FILMS), MARC FILMS, MARC
ORIGINATOR: LIBRARY OF CONGRESS, LC
KEYWORDS: LIBRARIES, MULTIDISCIPLINARY, FILMS
TIME SPAN COVERED: FROM 04/--/72 TO PRESENT.
ADDRESS: CARD DIVISION, LIBRARY OF CONGRESS, NAVY YARD ANNEX, BUILDING 159, WASHINGTON, D.C. 20541
PHONE: (202) 426-6167
CONTACT: MARC DISTRIBUTION SERVICE
ABSTRACT: INCLUDES RECORDS FOR ALL FILM MATERIAL CATALOGED BY LC SINCE 1972. BASIC CRITERION IS WHETHER ITEM CAN BE OBTAINED IN THE UNITED STATES.
ELEMENTS: TITLE,SUBJECT HEADINGS,ORGANIZATION,LC CATALOG INFORMATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8,500
PURCHASE: SUBSCRIPTION: $400/YEAR
LEASE: SUBSCRIPTION: $400/YEAR

NAME OF DATA BASE: MASS SPECTROMETRY BULLETIN
ORIGINATOR: MASS SPECTROMETRY DATA CENTRE
KEYWORDS: MASS SPECTROMETRY, CHEMISTRY, PHYSICS, SCIENCE
TIME SPAN COVERED: FROM 11/--/66 TO PRESENT.
ADDRESS: AWRE, ALDERMASTON, READING RG7 4PR, U.K.
CONTACT: MASS SPECTROMETRY DATA CENTRE
ABSTRACT: COVERS MATERIAL ON MASS SPECTROMETRY AND RELATED TOPICS.
ELEMENTS: ADDRESS,KEYWORDS,SUBJECT HEADINGS,AUTHORS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 7,500
PURCHASE: $735 FOR 12 MONTHLY TAPES.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: MATERIALS OF MUSIC, MOM
ORIGINATOR: UNIVERSITY OF GEORGIA
KEYWORDS: MUSIC, EDUCATION
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: COMPUTER CENTER,UNIVERSITY OF GEORGIA, ATHENS, GEORGIA 30601
CONTACT: JOHN EDWARDS
ABSTRACT: COVERS ARTICLES, TEXTBOOKS, AND TEACHING MATERIALS IN THE FIELD OF MUSIC.
ELEMENTS: TITLE,ABSTRACT,KEYWORDS
FREQUENCY OF ISSUE: SEMIANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 6,000
PURCHASE: $1,000 PER ISSUE. $.01 PER ANSWER RECEIVED FOR EACH PROFILE.
LEASE: LEASE AND LICENSE WILL BE NEGOTIATED.

NAME OF DATA BASE: MATHEMATICAL REVIEWS 5-YEAR INDEX (1965-1969), MATHEMATICAL REVIEWS
ORIGINATOR: AMERICAN MATHEMATICAL SOCIETY,AMS
KEYWORDS: MATHEMATICS
TIME SPAN COVERED: FROM 01/--/65 TO 12/--/69
ADDRESS: INFORMATION SYSTEMS DEVELOPMENT, P.O. BOX 6248, PROVIDENCE, R.I. 02904
PHONE: (401) 272-9500
CONTACT: SAMUEL B. WHIDDEN, DIR.
ABSTRACT: CONTAINS REFERENCES FOR ALL ARTICLES REVIEWED IN MATHEMATICAL REVIEWS FOR THE PERIOD 1965-1969. THIS DATA WILL BE PUBLISHED IN THE FORM OF AN AUTHOR INDEX AND WILL BE AVAILABLE FROM THE SOCIETY.
ELEMENTS: TITLE, AUTHOR, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: SINGLE ISSUE
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 80,000
PURCHASE: LEASED AND LICENSED ONLY.
LEASE: $8,000 FOR THE FIRST YEAR, $800/YEAR THEREAFTER FOR LEASE OR LICENSE WITH ROYALTY CHARGES FOR LICENSE.

NAME OF DATA BASE: MATHEMATICAL TITLE SERVICE
ORIGINATOR: AMERICAN MATHEMATICAL SOCIETY,AMS
KEYWORDS: MATHEMATICS
TIME SPAN COVERED: FROM 03/--/72 TO PRESENT.
ADDRESS: INFORMATION SYSTEMS DEVELOPMENT, P.O. BOX 6248, PROVIDENCE, R.I. 02904
PHONE: (401) 272-9500
CONTACT: SAMUEL B. WHIDDEN, DIR.
ABSTRACT: ARTICLES IN MATHEMATICS AND RELATED FIELDS. MONTHLY ISSUE COVERS ALL ARTICLES FROM WHICH SELECTIONS WERE MADE IN A GIVEN MONTH TO PROVIDE PERSONALIZED LISTINGS FOR SUBSCRIBERS.
ELEMENTS: TITLE, AUTHOR, CLASSIFICATION, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 11,000
PURCHASE: LEASE AND LICENSE ONLY.
LEASE: $1,200/YEAR FOR LEASE OR LICENSE WITH ROYALTY CHARGES FOR LICENSE.

NAME OF DATA BASE: MATHEMATICS OF COMPUTATION VOLUMES 1-23, MATHEMATICS OF COMPUTATION
ORIGINATOR: AMERICAN MATHEMATICAL SOCIETY,AMS
KEYWORDS: MATHEMATICS, COMPUTER SCIENCE
TIME SPAN COVERED: FROM 01/--/43 TO 12/--/69
ADDRESS: INFORMATON SYSTEMS DEVELOPMNT, P.O. BOX 6248, PROVIDENCE, R.I. 02904
PHONE: (401) 272-9500
CONTACT: SAMUEL B. WHIDDEN,DIR.
ABSTRACT: CONTAINS THE COMPLETE BIBLIOGRAPHIC CITATION FOR EACH ENTRY IN MATHEMATICS OF COMPUTATION, VOL. 1-23. ENTRIES CONSIST OF ARTICLES AND REFERENCES IN APPLIED MATHEMATICS AND MATHEMATICAL COMPUTATION, INCLUDING ORIGINAL RESEARCH, MATHEMATICAL TABLES, TABLE ERRATA,REVIEWS, AND REPORTS ON EARLY COMPUTING MACHINES. THE DATA IS TO APPEAR AS A PUBLISHED AUTHOR AND SUBJECT INDEX.
ELEMENTS: TITLE, CLASSIFICATION, AUTHOR, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: SINGLE ISSUE
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 5,000
PURCHASE: LEASE AND LICENSE ONLY.
LEASE: $500 FOR FIRST YEAR, $50/YEAR THEREAFTER FOR LEASE AND LICENSE. ROYALTY CHARGES FOR LICENSE.

NAME OF DATA BASE: MECHEN
ORIGINATOR: ROYAL INSTITUTE OF TECHNOLOGY,RIT
KEYWORDS: INDUSTRY, ENGINEERING
TIME SPAN COVERED: FROM 03/--/68 TO PRESENT.
ADDRESS: ROYAL INSTITUTE OF TECHNOLOGY, LIBRARY, 100 44 STOCKHOLM 70 SWEDEN
PHONE: 08 236520
CONTACT: DR. BJORN TELL
ABSTRACT: COVERS ARTICLES ON MACHINERY, MECHANICAL ENGINEERING, TOOLING, AND WORKSHOP PRACTICE.
ELEMENTS: TITLE,AUTHOR,BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: SEMI-MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 40,000
PURCHASE: OPEN FOR NEGOTIATIONS.
LEASE: OPEN FOR NEGOTIATIONS.

NAME OF DATA BASE: METALS ABSTRACTS INDEX, METADEX
ORIGINATOR: AMERICAN SOCIETY FOR METALS
KEYWORDS: METALLURGY
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: METALS PARK, OHIO 44073
CONTACT: H. D. CHAFE, DIRECTOR
ABSTRACT: COVERS ARTICLES, PROCEEDINGS, BOOKS, ETC. ON METALLURGY.
ELEMENTS: TITLE,AUTHOR,KEYWORDS,BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 25,000
PURCHASE: LEASE ONLY
LEASE: $1,250/YEAR PLUS SUBSCRIPTION TO METALS ABSTRACTS AND METALS ABSTRACTS INDEX.

NAME OF DATA BASE: NATIONAL AGRICULTURAL LIBRARY CAIN DATA BASE, CAIN
ORIGINATOR: NATIONAL AGRICULTURAL LIBRARY, NAL
KEYWORDS: AGRICULTURE
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: COMPUTER APPLICATIONS, NATIONAL AGRICULTURAL LIBRARY, BELTSVILLE, MARYLAND 20705
CONTACT: MR. VERN J. VAN DYKE
ABSTRACT: THE CAIN TAPES CONTAIN BIBLIOGRAPHIC DATA ON DOCUMENTS ACQUIRED BY THE NATIONAL AGRICULTURAL LIBRARY ON A WORLD WIDE BASIS IN THE BROAD FIELD OF AGRICULTURE, INCLUDING AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY, AGRICULTURAL PRODUCTS, ANIMAL INDUSTRY, ENGINEERING, ENTOMOLOGY, FOOD AND HUMAN NUTRITION, FORESTRY, PESTICIDES, PLANT SCIENCE, SOILS AND FERTILIZERS, AND OTHER RELATED SUBJECT FIELDS. INCLUDES BOTH MONOGRAPHS AND JOURNAL ARTICLES.
ELEMENTS: TITLE,AUTHOR,CORPORATE AUTHOR,KEYWORDS,SUBJECT HEADINGS,CLASSIFICATION,BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 120,000
PURCHASE: $45 A REEL, NORMALLY 1 REEL PER MONTH.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: NATIONAL INFORMATION CENTER FOR EDUCATIONAL MEDIA, NICEM
ORIGINATOR: UNIVERSITY OF SOUTHERN CALIFORNIA,USC
KEYWORDS: EDUCATION, LIBRARIES, FILMS
TIME SPAN COVERED: FROM 07/--/66 TO 11/--/72
ADDRESS: LOS ANGELES, CALIFORNIA 90007
CONTACT: M. THOMAS RISNER, DIRECTOR
ABSTRACT: COVERS NON-PRINT MEDIA INCLUDING 16MM EDUCATIONAL MOTION PICTURES, 35MM EDUCATIONAL FILMSTRIPS, 8MM MOTION CARTRIDGE, VIDEOTAPES, OVERHEAD TRANSPARENCIES, AUDIO TAPES, RECORDS, AND SLIDE SETS.
ELEMENTS: TITLE,ADDRESS,ABSTRACT,SUBJECT HEADINGS, CLASSIFICATION, LIBRARY OF CONGRESS ACQUISITION NUMBER
FREQUENCY OF ISSUE: NOT INDICATED
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 46,000
PURCHASE: NOT INDICATED
LEASE: NOT INDICATED

NAME OF DATA BASE: NUCLEAR SCIENCE ABSTRACTS, NSA
ORIGINATOR: ATOMIC ENERGY COMMISION,AEC,AEC TECHNICAL INFORMATION CENTER
KEYWORDS: NUCLEAR SCIENCE, ENGINEERING, ATOMIC ENERGY
TIME SPAN COVERED: FROM 01/--/67 TO PRESENT.
ADDRESS: P.O. BOX 62, OAK RIDGE, TENN. 37830
PHONE: (615) 483-8611 X34352
CONTACT: JAMES CAPE
ABSTRACT: INTERNATIONAL LITERATURE OF NUCLEAR SCIENCE AND TECHNOLOGY.
ELEMENTS: TITLE,AUTHOR,CORPORATE AUTHOR,ADDRESS,KEYWORDS,CLASSIFICATION,BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: TWICE A MONTH
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 65,000
PURCHASE: OTHER FEDERAL AGENCIES - $1,265/YEAR; AEC COST-TYPE CONTRACTORS - $1,605/YEAR; OTHER CUSTOMERS - $1,845/YEAR.
LEASE: PURCHASE ONLY

NAME OF DATA BASE: PANDEX CURRENT INDEX TO SCIENTIFIC AND TECHNICAL LITERATURE, PANDEX
ORIGINATOR: CCM INFORMATION CORPORATION,CCM
KEYWORDS: SCIENCE, MEDICINE, MULTIDISCIPLINARY
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: 866 THIRD AVENUE NEW YORK, N.Y. 10022
PHONE: (212) 935-4296
CONTACT: BILL J. FUNDERBURK, DIR.
ABSTRACT: 2400 OF THE WORLDS LEADING SCIENTIFIC, TECHNICAL, AND MEDICAL JOURNALS ARE COVERED TO GATHER INPUT FOR THIS LARGE,COMPREHENSIVE , INTERDICIPLINARY BIBLIOGRAPHIC FILE.
ELEMENTS: TITLE,AUTHOR,KEYWORDS,CLASSIFICATION,ORGANIZATION, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 250,000
PURCHASE: $4,000, SUBSCRIPTION
LEASE: $4,000, SUBSCRIPTION

NAME OF DATA BASE: ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY, PAPER CHEMISTRY
ORIGINATOR: THE INSTITUTE OF PAPER CHEMISTRY
KEYWORDS: PAPER CHEMISTRY, CHEMISTRY, PATENTS
TIME SPAN COVERED: FROM 07/--/66 TO PRESENT.
ADDRESS: BOX 1048, APPLETON, WISCONSIN 54911
PHONE: 414-734-9251
CONTACT: DR. W. S. MCCLENAHAN
ABSTRACT: ABSTRACTS OF PUBLISHED ARTICLES, BOOKS, PATENTS, DISSERTATIONS, AND OTHER LITERATURE IN THE FIELDS OF PULP, PAPER, AND ALLIED SCIENCE AND TECHNOLOGY. LITERATURE DEALS WITH THEORETICAL PRINCIPLES, TECHNOLOGIES, RAW MATERIALS, PRODUCTS, AND PRACTICES OF WORLDWIDE PAPER AND PAPERBOARD MANUFACTURING AND UTILIZING INDUSTRIES. THE DATA BASE IS ISSUED IN 5 FORMS: (1)COMPLETE TEXT WITH KEYWORDS, (2)COMPLETE TEXT WITH KEYWORDS,INVERTED FILE, (3)KEYWORD SUPPLEMENT, (4)COMPLETE TEXT, AND (5)CITATIONS.
ELEMENTS: TITLE, AUTHOR, ABSTRACT, DESCRIPTORS, KEYWORDS,ORGANIZATION, PATENT NUMBER, LANGUAGE,(NOT ALL THE ELEMENTS ARE INCLUDED IN EACH OF THE 5 TAPE FORMS ISSUED.)
FREQUENCY OF ISSUE: MONTHLY AND CUMULATIVE
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
LEASE: $1,000 TO $2,000 DEPENDING ON TAPE FORM SELECTED. REDUCED RATES FOR MORE THAN ONE TAPE FORM. $700 TO $1,250 FOR IPC MEMBERS AND ACADEMIC ORGANIZATIONS.

NAME OF DATA BASE: P.A.S.C.A.L, PASCAL
ORIGINATOR: CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
KEYWORDS: SCIENCE, ENGINEERING, MEDICINE, TECHNOLOGY, PSYCHOLOGY, PSYCHIATRY
TIME SPAN COVERED: FROM 01/--/72 TO PRESENT.
ADDRESS: CENTER DE DOCUMENTATION DU C.N.R.S., 26, RUE BOYER, 75971 PARIS CEDEX 20
PHONE: 636.62.94
CONTACT: L. MARLOT
ABSTRACT: A SERIES OF 50 DATA BASES COVERING BASIC AND APPLIED SCIENCE, ENGINEERING AND TECHNOLOGY, MEDICINE, PSYCHOLOGY, AND PSYCHIATRY.
ELEMENTS: TITLE,ADDRESS,ABSTRACT,KEYWORDS,CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 500,000
PURCHASE: NOT YET ESTABLISHED. CONTACT CNRS.
LEASE: NOT YET ESTABLISHED. CONTACT CNRS.

NAME OF DATA BASE: PATENT CONCORDANCE IN COMPUTER-READABLE FORM, PATENT CONCORDANCE
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING, PATENTS
TIME SPAN COVERED: FROM 01/--/62 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: CORRELATES PATENTS ISSUED BY DIFFERENT COUNTRIES FOR THE SAME BASIC INVENTION. ONCE THE FIRST ABSTRACT HAS BEEN PUBLISHED IN CHEMICAL ABSTRACTS (CA), SUBSEQUENT PATENTS ON THE SAME BASIC INVENTION ARE LINKED BY NUMBER AND ISSUING COUNTRY TO THIS FIRST ABSTRACT NUMBER. DATA IN THE PATENT CONCORDANCE INCLUDE PATENT NUMBERS, ISSUING COUNTRIES AND CA ABSTRACT NUMBERS.
ELEMENTS: INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: SEMI-ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 47,000 (ESTIMATED FOR 1973)
LEASE: LEASED ON ANNUAL BASIS AT $400.00/YEAR PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: PATENT OFFICE MECHANIZED SEARCH SYSTEMS
ORIGINATOR: U.S. PATENT OFFICE, PATENT OFFICE
KEYWORDS: CHEMISTRY, ORGANOMETALLICS, COMPUTER SCIENCE, PATENTS
TIME SPAN COVERED: FROM 01/--/60 TO PRESENT.
ADDRESS: OFFICE OF PATENT CLASSIFICATION, WASHINGTON, D.C. 20231
PHONE: (703) 557-3785
CONTACT: ADMINISTRATOR
ABSTRACT: 3 FILES COVER PATENTS AND SOME ARTICLES IN THE FIELDS OF STEROIDS, ORGANOMETALLICS, AND DATA PROCESSING SYSTEMS. DATA BASE DISTRIBUTED ONLY AS 80-COLUMN PUNCHED CARDS.
ELEMENTS: KEYWORDS,PATENT NUMBER,BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: IRREGULAR
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 1,500
PURCHASE: SUBSCRIPTION - $35 PER FILE PER YEAR.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE.

NAME OF DATA BASE: PESTDOC
ORIGINATOR: DERWENT PUBLICATIONS LTD., DERWENT PUBLICATIONS, DERWENT
KEYWORDS: PESTICIDES
TIME SPAN COVERED: FROM 07/--/68 TO PRESENT.
ADDRESS: ROCHDALE HOUSE, 128 THEOBALDS ROAD, LONDON WC1X 8RP
PHONE: 01-242-5823
CONTACT: DR. H. BIRNBAUM
ABSTRACT: COVERS ARTICLES ON PESTICIDES AND ALLIED DATA.
ELEMENTS: TITLE,AUTHOR,ADDRESS,KEYWORDS,SUBJECT HEADINGS,RING CODE
FREQUENCY OF ISSUE: 45 PER YEAR
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 9,000
PURCHASE: SUBSCRIPTION - $3,425
LEASE: SUBSCRIPTION - $3,425

NAME OF DATA BASE: PETROLEUM ABSTRACTS MASTER RECORD TAPES, PETROLEUM ABSTRACTS
ORIGINATOR: UNIVERSITY OF TULSA
KEYWORDS: PETROLEUM, PATENTS
TIME SPAN COVERED: FROM 01/--/65 TO 07/--/72
ADDRESS: INFORMATION SERVICES DEPT., UNIVERSITY OF TULSA,1133 N. LEWIS AVE., TULSA, OKLAHOMA 74110
PHONE: (918) 939-6351
CONTACT: DR. H. O. MCLEOD
ABSTRACT: COVERS TECHNICAL LITERATURE AND PATENTS RELEVANT TO THE EXPLORATION AND PRODUCTION OF OIL AND GAS.
ELEMENTS: TITLE,AUTHOR,KEYWORDS,BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: EVERY 4 MONTHS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 16,000
PURCHASE: SUBSCRIPTIONS BASED ON ORGANIZATION'S ASSETS - $2,000 - $20,000/YEAR.
LEASE: PURCHASE ONLY

NAME OF DATA BASE: POLYMER SCIENCE AND TECHNOLOGY, POLYMER SCIENCE, POLYMER TECHNOLOGY
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, POLYMER SCIENCE, POLYMERS
TIME SPAN COVERED: FROM 11/--/67 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL SOCIETY, THE OHIO STATE UNIVERSITY,COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: ABSTRACTS THAT REPORT THE CURRENT SCIENTIFIC AND TECHNICAL LITERATURE RELATED TO THE FIELD OF MACROMOLECULAR CHEMISTRY. COVERAGE INCLUDES JOURNALS AND REPORTS PUBLISHED THROUGHOUT THE WORLD, PLUS PATENTS FROM 26 COUNTRIES THAT DESCRIBE RESEARCH ,DEVELOPMENT, PRODUCTION, USES, EQUIPMENT, AND ALL OTHER ASPECTS OF MACROMOLECULAR CHEMISTRY. DATA IN THIS FILE INCLUDE NAMES AND AFFILIATIONS OF AUTHORS, PRIMARY JOURNAL BIBLIOGRAPHIC CITATIONS, DOCUMENT TITLES AND FULL ABSTRACTS, MOLECULAR FORMULAS, NAMES OF SUBSTANCES, CHEMICAL ABSTRACTS SECTION NUMBERS AND CAS REGISTRY NUMBERS.
ELEMENTS: TOTAL INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: BIWEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 36,000 (1973 ESTIMATE)
LEASE: LEASED ON ANNUAL BASIS AT $2,500.00/YEAR PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: PSYCHOLOGICAL ABSTRACTS, PA
ORIGINATOR: AMERICAN PSYCHOLOGICAL ASSOCIATION,APA
KEYWORDS: SOCIAL SCIENCE, PSYCHOLOGY, BEHAVIORAL SCIENCE
TIME SPAN COVERED: FROM 01/--/67 TO PRESENT.
ADDRESS: 1200 SEVENTEENTH STREET, N.W. WASHINGTON D.C. 20036
PHONE: (202) 833-7610
CONTACT: RICHARD P. CAPUTO
ABSTRACT: CONTAINS NON-EVALUATIVE SUMMARIES OF THE WORLD'S LITERATURE IN PSYCHOLOGY AND RELATED DISCIPLINES. PROVIDES INFORMATIVE ABSTRACTS (INCLUDING SUBJECT POPULATION, TESTS AND MEASUREMENTS,VARIABLES AND PROCEDURE) WHERE POSSIBLE AND INDICATIVE ABSTRACTS FOR DICURSIVE MATERIAL.
ELEMENTS: TITLE,AUTHOR,ADDRESS,ABSTRACT,CLASSIFICATION,KEYWORDS
FREQUENCY OF ISSUE: MONTHLY,QUARTERLY,SEMI-ANNUALLY, OR ANNUALLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 24,000
PURCHASE: LEASE ONLY
LEASE: MAY BE LEASED AS FOLLOWS: CURRENT YEAR - $3,000.00, PREVIOUS YEAR - $2,000.00. AFTER FIRST YEAR ACQUISITION OF NEW CURRENT YEAR AND RETENTION OF BACK FILES IS $3,000.00/YEAR. WILL BE LICENSED IN JANUARY 1974.

NAME OF DATA BASE: RESEARCH IN EDUCATION, RIE, ERIC
ORIGINATOR: NATIONAL INSTITUTE OF EDUCATION, NIE, EDUCATIONAL RESOURCES INFORMATION CENTER, ERIC, ERIC PROCESSING AND REFERENCE FACILITY
KEYWORDS: EDUCATION
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: ERIC PROCESSING AND REFERENCE FACILITY, 4833 RUGBY AVE., SUITE 303, BETHESDA, MARYLAND, 20014
PHONE: 301-656-9723
CONTACT: MR. W.T. BRANDHORST
ABSTRACT: RIE IS A MONTHLY ABSTRACT JOURNAL, ISSUED ALSO ON MAGNETIC TAPE, ANNOUNCING REPORTS OF RESEARCH AND RESEARCH-RELATED PROJECTS IN THE FIELD OF EDUCATION AND EDUCATION-RELATED MATERIALS. CIJE, CURRENT INDEX TO JOURNALS IN EDUCATION, IS ALSO ISSUED BY NIE
ELEMENTS: TITLE, AUTHOR, CORPORATE AUTHOR, KEYWORDS, ABSTRACT
FREQUENCY OF ISSUE: MONTHLY, QUARTERLY AND ANNUAL OPTIONS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000 REPORTS
PURCHASE: $80 PER TAPE REEL

NAME OF DATA BASE: RINGDOC
ORIGINATOR: DERWENT PUBLICATIONS LTD., DERWENT PUBLICATIONS, DERWENT
KEYWORDS: MEDICINE, PHARMACOLOGY, CHEMISTRY
TIME SPAN COVERED: FROM 07/--/64 TO PRESENT.
ADDRESS: ROCHDALE HOUSE, 128 THEOBALDS ROAD, LONDON WC1X 8RP
PHONE: 01-242-5823
CONTACT: DR. H. BIRNBAUM
ABSTRACT: COVERS ARTICLES CONTAINING CHEMICO-MEDICAL AND PHARMACEUTICAL DATA.
ELEMENTS: TITLE,AUTHOR,ADDRESS,KEYWORDS,SUBJECT HEADINGS, RING CODE
FREQUENCY OF ISSUE: 40 PER YEAR
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 40,000
PURCHASE: SUBSCRIPTION -$11,750
LEASE: SUBSCRIPTION -$11,750

NAME OF DATA BASE: ROCK MECHANICS INFORMATION SERVICES, ROCK MECHANICS
ORIGINATOR: IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY
KEYWORDS: ENGINEERING, GEOLOGY
TIME SPAN COVERED: FROM 01/--/68 TO PRESENT.
ADDRESS: ROCK MECHANICS INFORMATION SERVICES,IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY, ROYAL SCHOOL OF MINES, LONDON, S.W.7
CONTACT: MRS. A. GRALEWSKA-VICKERY
ABSTRACT: COVERS MATERIAL ON ROCK MECHANICS, WHICH INCLUDES RELEVANT SECTIONS OF GEOLOGY, GEOPHYSICS, MINING, CIVIL ENGINEERING, SOIL MECHANICS, AND FRACTURE MECHANICS.
ELEMENTS: TITLE,SUBJECT HEADINGS,CLASSIFICATION
FREQUENCY OF ISSUE: ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,000
PURCHASE: $1,000/YEAR.
LEASE: PURCHASE ONLY

NAME OF DATA BASE: S.A.B.I.R., SABIR
ORIGINATOR: INSTITUT GUSTAVE-ROUSSY
KEYWORDS: MEDICINE, CANCER, VIROLOGY, IMMUNOLOGY, RADIOBIOLOGY
TIME SPAN COVERED: FROM 01/--/67 TO PRESENT.
ADDRESS: 16 BIS AVENUE P.V.COUTURIER, 94800 VILLEJUIF, FRANCE
PHONE: 726 49.09
CONTACT: M. WOLFF-TERROINE
ABSTRACT: DATA BASE ON CANCER AND RELATED VIROLOGY, IMMUNOLOGY, AND RADIOBIOLOGY. THE TARGET USER COMMUNITY IS ALL THE PEOPLE WORKING IN THE FIELD OF CLINICAL CANCER OR IN FUNDAMENTAL RESEARCH RELATED TO CANCER
ELEMENTS: TITLE, ABSTRACT, ORGANIZATION, DESCRIPTORS, KEYWORDS, CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 20,000
PURCHASE: $1,000/YEAR. ONLY FOR PERSONAL USE, NOT FOR REDISTRBUTION

NAME OF DATA BASE: SEARCHABLE PHYSICS INFORMATION NOTICES, SPIN
ORIGINATOR: AMERICAN INSTITUTE OF PHYSICS,AIP
KEYWORDS: ENGINEERING, PHYSICS, ASTRONOMY
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: PHYSICS INFORMATION DIV., 335 E. 45 ST. NEW YORK, N.Y. 10017
PHONE: NOT INDICATED
CONTACT: DR. RITA G. LERNER
ABSTRACT: RECORDS OF OVER ONE HALF THE WORLD'S PHYSICS AND ASTRONOMY JOURNAL LITERATURE. THIS INCLUDES ALL JOURNAL ARTICLES PUBLISHED BY THE AMERICAN INSTITUTE OF PHYSICS AS WELL AS OTHER LEADING PHYSICS AND ASTRONOMY JOURNALS.
ELEMENTS: TITLE,AUTHOR,ADDRESS,CLASSIFICATION,ABSTRACT
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 30,000
PURCHASE: MAY BE LEASED OR LICENSED ONLY
LEASE: LEASE FEE $2,500 FOR IN HOUSE USE. LICENSE FOR EXTERNAL SERVICES, $2,500 PLUS ROYALTIES.

NAME OF DATA BASE: SOCIAL SCIENCE CITATION INDEX DATA BASE, SOCIAL SCIENCE CITATION INDEX
ORIGINATOR: INSTITUTE FOR SCIENTIFIC INFORMATION,ISI
KEYWORDS: SCIENCE, SOCIAL SCIENCE, HISTORY, EDUCATION, MULTIDISCIPLINARY
TIME SPAN COVERED: FROM 01/--/73 TO PRESENT.
ADDRESS: 325 CHESTNUT ST. PHILADELPHIA, PA. 19106
PHONE: (215) 923-3300
CONTACT: MELVIN WEINSTOCK
ABSTRACT: ARTICLES COVERING THE FIELDS OF ANTHROPOLOGY, COMMUNITY HEALTH, DEMOGRAPHY, ECONOMICS, EDUCATIONAL RESEARCH, ETHNIC GROUP STUDIES, GEOGRAPHY, HISTORY, LAW, LINGUISTICS, MANAGEMENT, MARKETING, POLITICAL SCIENCE, PSYCHIATRY, SOCIOLOGY, STATISTICS, URBAN PLANNING & DEVELOPMENT.
ELEMENTS: TITLE,AUTHOR,ADDRESS,BIBLIOGRAPHIC CITATION, LANGUAGE, CITATIONS
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 75,000
PURCHASE: NOT SPECIFIED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER LEASE.
LEASE: PROJECTED RATES: $4,000 FOR SOURCE DATA, $6,000 FOR CITATION DATA, $10,000 FOR COMPLETE DATA BASE.

NAME OF DATA BASE: SOCIOLOGICAL ABSTRACTS, SOCAB
ORIGINATOR: SOCIOLOGICAL ABSTRACTS
KEYWORDS: SOCIAL SCIENCE, SOCIOLOGY
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: 73 8TH AVE., BROOKLYN, NEW YORK 11215
PHONE: (212) 638-2872
CONTACT: LEO CHALL
ABSTRACT: COVERS ARTICLES AND PAPERS ON SOCIOLOGY.
ELEMENTS: TITLE,KEYWORDS,SUBJECT HEADINGS,CLASSIFICATION
FREQUENCY OF ISSUE: NOT INDICATED
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
PURCHASE: TO BE NEGOTIATED
LEASE: TO BE NEGOTIATED

NAME OF DATA BASE: SPECIALIZED TEXTILE INFORMATION SERVICE.
ORIGINATOR: SHIRLEY INSTITUTE
KEYWORDS: TEXTILES, PATENTS
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: MANCHESTER M20 8RX, ENGLAND
CONTACT: R. J. E. CUMBERBIRCH
ABSTRACT: ALL LITERATURE ON THE SCIENCE AND TECHNOLOGY OF TEXTILES PLUS ALL RELEVANT UK AND US PATENT LITERATURE (SEE THE PERIODICAL : WORLD TEXTILE ABSTRACTS FOR THE LITERATURE COVERED).
ELEMENTS: TITLE,AUTHOR,KEYWORDS
FREQUENCY OF ISSUE: UP TO TWICE MONTHLY.
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8,000
PURCHASE: LICENSE ONLY
LEASE: SUBSCRIPTION (LICENSE) : $960/YEAR PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: SYSTEM 50 - STATE STATUTE FILE, SYSTEM 50, STATE STATUTE FILE, STATE STATUTES
ORIGINATOR: ASPEN SYSTEMS CORPORATION,ASPEN SYSTEMS
KEYWORDS: LAW
TIME SPAN COVERED: FROM 01/--/00 TO 12/--/72
ADDRESS: 4615 FORBES AVE., PITTSBURGH, PENNSYLVANIA 15213
CONTACT: L.H.BERUL OR R.W.ZIEGLER
ABSTRACT: STATUTE FILES OF 50 STATES IN FULL TEXT SEARCHABLE FORM (NOT ALL STATES CURRENT). CONTAINS ONE BILLION CHARACTERS OF DATA.
ELEMENTS: TITLE,CLASSIFICATION,ADDRESS,ABSTRACT,ANNOTATION
FREQUENCY OF ISSUE: ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,500
PURCHASE: NEGOTIABLE
LEASE: NEGOTIABLE

NAME OF DATA BASE: STATUTES-IN-POINT, STATUTES IN POINT, STATUTES
ORIGINATOR: ASPEN SYSTEMS CORPORATION,ASPEN SYSTEMS
KEYWORDS: LAW
TIME SPAN COVERED: FROM 01/--/67 TO 12/--/72
ADDRESS: 4615 FORBES AVE., PITTSBURGH, PENNSYLVANIA 15213
CONTACT: L.H.BERUL OR R.W.ZIEGLER
ABSTRACT: COVERS RECENT STATE AND FEDERAL ENACTMENTS FROM ALL 50 STATES AND U.S. CODE.
ELEMENTS: TITLE,CLASSIFICATION,ANNOTATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,500
PURCHASE: NEGOTIABLE
LEASE: NEGOTIABLE

NAME OF DATA BASE: TEXTILE TECHNOLOGY DIGEST KEYTERM INDEX, TEXTILE TECHNOLOGY DIGEST
ORIGINATOR: INSTITUTE OF TEXTILE TECHNOLOGY
KEYWORDS: TEXTILES, PATENTS
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: P. O. BOX 391, CHARLOTTESVILLE, VA. 22902
PHONE: (703) 296-5511
CONTACT: DENNIS C. LOY, EDITOR TTD
ABSTRACT: COVERS ARTICLES, PATENTS, AND REPORTS ON TEXTILES AND RELATED AREAS: APPAREL, MILL MANAGEMENT, POLLUTION, TESTING AND MEASUREMENT, INDUSTRIAL FABRIC PRODUCTS, ETC.
ELEMENTS: KEYWORDS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
PURCHASE: $900.00/YEAR
LEASE: PURCHASE ONLY.

NAME OF DATA BASE: THE PHILOSOPHER'S INDEX
ORIGINATOR: PHILOSOPHY DOCUMENTATION CENTER OF BOWLING GREEN STATE UNIVERSITY
KEYWORDS: SOCIAL SCIENCE, PHILOSOPHY
TIME SPAN COVERED: FROM 01/--/67 TO PRESENT.
ADDRESS: BOWLING GREEN STATE UNIVERSITY, BOWLING GREEN, OHIO 43403
PHONE: (419) 372-2419
CONTACT: RICHARD H. LINEBACK, DIRECTOR
ABSTRACT: BIBLIOGRAPHIC INFORMATION INCLUDING ABSTRACTS, ON PHILOSOPHY ARTICLES PUBLISHED IN PHILOSOPHY JOURNALS.
ELEMENTS: TITLE,ABSTRACT,KEYWORDS
FREQUENCY OF ISSUE: ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,500
PURCHASE: UNDETERMINED AT PRESENT.
LEASE: UNDETERMINED AT PRESENT.

NAME OF DATA BASE: TITUS
ORIGINATOR: INSTITUT TEXTILE DE FRANCE, ITF
KEYWORDS: TEXTILES
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: 35, RUE DES ABONDANCES - 92100,BOULOGNE SUR SEINE, FRANCE
PHONE: 825 18 90
CONTACT: J. M. DUCROT
ABSTRACT: SCIENTIFIC AND TECHNICAL INFORMATION IN THE TEXTILE FIELD FOR INDUSTRY AND RESEARCH. MOST OF THE SOURCE ITEMS ARE IN FRENCH
ELEMENTS: TITLE, ABSTRACT,ORIGINATING ORGANIZATION, KEYWORDS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 30,000
PURCHASE: $.25 PER DOCUMENT , ABOUT $7,500 ANNUAL SUBSCRIPTION TO MAGNETIC TAPE
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE

NAME OF DATA BASE: TOXICOLOGY INFORMATION CONVERSATION ON-LINE NETWORK, TOXICON
ORIGINATOR: TOXICOLOGY INFORMATION PROGRAM, TIP, NATIONAL LIBRARY OF MEDICINE, NLM
KEYWORDS: HEALTH, MEDICINE, TOXICOLOGY, PHARMACOLOGY
TIME SPAN COVERED: FROM 01/--/30 TO PRESENT.
ADDRESS: NATIONAL LIBRARY OF MEDICINE, 8600 ROCKVILLE PIKE, BETHESDA, MD. 20014
PHONE: (301) 496-1131
CONTACT: MR. J. R. HARCHARIK, INFORMATICS
ABSTRACT: PUBLISHED HUMAN AND ANIMAL TOXICITY STUDIES, ADVERSE DRUG REACTIONS, POISONING CASES, EFFECTS OF ENVIRONMENTAL CHEMICALS OR POLLUTANTS, AND ANALYTICAL METHODOLOGY. MOST CITATIONS ANNOTATED WITH ABSTRACTS WHICH ARE FREE TEXT SEARCHABLE. CITATION ACQUISITION PRINCIPALLY FROM SECONDARY REFERENCE SERVICES INCLUDING HEALTH ASPECTS OF PESTICIDES ABSTRACT BULLETIN, CHEMICAL BIOLOGICAL ACTIVITIES (CBAC), INTERNATIONAL PHARMACEUTICAL ABSTRACTS, ABSTRACTS ON HEALTH EFFECTS OF ENVIRONMENTAL POLLUTANTS (HEEP) AND TOXICITY BIBLIOGRAPHY.
ELEMENTS: TITLE,ADDRESS,ABSTRACT,KEYWORDS,CAS REGISTRY NUMBERS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 50,000
PURCHASE: LEASE ONLY.
LEASE: INITIAL FEE OF $350 FOR TRAINING AND MANUALS, $45 PER CONNECT HOUR TO THE SYSTEM AND $5 PER 1000 LINES OF PRINT OFF-LINE.

NAME OF DATA BASE: TRANSDEX
ORIGINATOR: CCM INFORMATION CORPORATION,CCM
KEYWORDS: SCIENCE, SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: 866 THIRD AVENUE NEW YORK, N.Y. 10022
PHONE: (212) 935-4296
CONTACT: BILL J. FUNDERBURK, DIR.
ABSTRACT: TRANSDEX IS A BIBLIOGRAPHIC REFERENCE FILE TO ALL THE TRANSLATIONS OF THE UNITED STATES JOINT PUBLICATIONS RESEARCH SERVICE (JPRS). IT COVERS 100,000 ARTICLES TRANSLATED FROM THE COMMUNIST AND SO-CALLED UNDERDEVELOPED WORLD. ALL MATERIAL TRANSLATED BY THE U.S. JOINT PUBLICATIONS RESEARCH SERVICE. JPRS TRANSLATIONS ARE AVAILABLE ON FILM AND MICROFICHE.
ELEMENTS: TITLE,AUTHOR,SUBJECT HEADINGS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 30,000
PURCHASE: $2,000, SUBSCRIPTION
LEASE: $2,000, SUBSCRIPTION

NAME OF DATA BASE: UNION CATALOG OF MEDICAL PERIODICALS, UNION CATALOG
ORIGINATOR: MEDICAL LIBRARY CENTER OF NEW YORK
KEYWORDS: MEDICINE, HEALTH
TIME SPAN COVERED: FROM 01/--/00 TO PRESENT.
ADDRESS: 17 E 102 STREET, NEW YORK, N.Y. 10029
PHONE: (212) 427-1630
CONTACT: MRS. JAQUELINE W. FELTER, DIRECTOR
ABSTRACT: TITLES AND BIBLIOGRAPHIC DATA OF 42,000 PERIODICALS AND SERIAL PUBLICATIONS PERTINENT TO THE HEALTH SCIENCES.
ELEMENTS: TITLE, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: ON DEMAND
PURCHASE: $750. $1,000 FOR TOTAL DATA BASE.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: UNIVERSITY OF CALIFORNIA UNION CATALOG SUPPLEMENT (1963-1967)
ORIGINATOR: UNIVERSITY OF CALIFORNIA LIBRARIES
KEYWORDS: LIBRARIES, INTERDISCIPLINARY
TIME SPAN COVERED: FROM 01/--/63 TO 12/--/67
ADDRESS: INSTITUTE OF LIBRARY RESEARCH, SOUTH HALL ANNEX, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIFORNIA 94720
PHONE: (415) 642-5802
CONTACT: ALLAN HUMPHREY
ABSTRACT: FILE INCLUDES CATALOG RECORDS OF ALL MONOGRAMS PROCESSED BY THE CATALOGING DEPARTMENTS OF ALL UNIVERSITY OF CALIFORNIA CAMPUSES FROM 1963 THROUGH 1967. INCLUDES SUBJECT MATTER IN VIRTUALLY EVERY SUBJECT AREA COVERED IN LARGE RESEARCH LIBRARIES.
ELEMENTS: TITLE,AUTHOR,CORPORATE AUTHOR,SUBJECT HEADINGS
FREQUENCY OF ISSUE: ONCE EVERY 5 YEARS.
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 250,000
PURCHASE: CONTACT THE UNIVERSITY OF CALIFORNIA FOR INFORMATION.
LEASE: CONTACT THE UNIVERSITY OF CALIFORNIA FOR INFORMATION.

NAME OF DATA BASE: VETDOC
ORIGINATOR: DERWENT PUBLICATIONS LTD., DERWENT PUBLICATIONS, DERWENT
KEYWORDS: ANIMAL MEDICINE, VETERINARY MEDICINE
TIME SPAN COVERED: FROM 01/--/68 TO PRESENT.
ADDRESS: ROCHDALE HOUSE, 128 THEOBALDS ROAD, LONDON WC1X 8RP
PHONE: 01-242-5823
CONTACT: DR. H. BIRNBAUM
ABSTRACT: COVERS ARTICLES CONTAINING VETERINARY DATA.
ELEMENTS: TITLE,AUTHOR,ADDRESS,KEYWORDS,SUBJECT HEADINGS,RING CODE
FREQUENCY OF ISSUE: 25 PER YEAR
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 5,000
PURCHASE: SUBSCRIPTION - $2,275
LEASE: SUBSCRIPTION - $2,275

NAME OF DATA BASE: WOOD
ORIGINATOR: ROYAL INSTITUTE OF TECHNOLOGY,RIT
KEYWORDS: INDUSTRY, ENGINEERING, AGRICULTURE
TIME SPAN COVERED: FROM 11/--/70 TO PRESENT.
ADDRESS: ROYAL INSTITUTE OF TECHNOLOGY, LIBRARY, 100 44 STOCKHOLM 70 SWEDEN
PHONE: 08 236520
CONTACT: DR. BJORN TELL
ABSTRACT: COVERS ARTICLES ON WOOD TECHNOLOGY, WOOD PRODUCTS, AND EQUIPMENT FOR FOREST AND WOODWORKING INDUSTPY.
ELEMENTS: TITLE,AUTHOR,BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
PURCHASE: OPEN FOR NEGOTIATIONS.
LEASE: OPEN FOR NEGOTIATIONS.

NAME OF DATA BASE: XEROX BIBLIOGRAPHICS DATA BASE
ORIGINATOR: XEROX BIBLIOGRAPHICS
KEYWORDS: LIBRARIES, INTERDISCIPLINARY
TIME SPAN COVERED: FROM 01/--/19 TO PRESENT.
ADDRESS: 2500 SCHUSTER DRIVE, CHEVERLY, MD. 20781
CONTACT: B. WAYNE CALTRIDER
ABSTRACT: SELECTED CATALOGING REPRESENTING HOLDINGS OF BOOK CATALOG USERS.
ELEMENTS: TITLE,AUTHOR,SUBJECT HEADINGS,CLASSIFICATION, LC CARD NUMBER
FREQUENCY OF ISSUE: VARIES
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 65,000
PURCHASE: HANDLED ON INDIVIDUAL BASIS.
LEASE: HANDLED IN INDIVIDUAL BASIS.

6.2 SERVICES

Interactive Retrospective Services (IR)

NAME: BASIS-70, BASIS 70, BATTELLE AUTOMATED SEARCH INFORMATION SYSTEM, BASIS
SOFTWARE: BASIS
ORIGINATOR: BATTELLE MEMORIAL INSTITUTE
ADDRESS: 505 KING AVENUE, COLUMBUS, OHIO, 43201
PHONE: 614-299-3151
CONTACT: JOHN MURDOCK
ABSTRACT: THE INTERACTIVE SEARCH SERVICE IS AVAILABLE THROUGH MEMBERSHIP IN SCIENCE INFORMATION ASSOCIATION (SIA).

NAME: DATA CENTRAL, MEAD DATA CENTRAL
SOFTWARE: DATA CENTRAL
ORIGINATOR: MEAD TECHNOLOGY LABORATORIES
ADDRESS: 1611 NORTH KENT STREET, ARLINGTON, VA. 22209
PHONE: (703) 525-2674
CONTACT: RICHARD GIERING
ABSTRACT: DATA CENTRAL IS A FULL-TEXT SYSTEM. THE COST OF SEARCH SERVICE IS $5,000 A MONTH.

NAME: LOCKHEED INFORMATON SERVICES, DIALOG
SOFTWARE: DIALOG
ORIGINATOR: LOCKHEED INFORMATION SCIENCES, LOCKHEED
ADDRESS: 3251 HANOVER STREET, PALO ALTO, CALIFORNIA, 94304
PHONE: (415) 493-4411, X45034
CONTACT: DR. ROGER SUMMIT
ABSTRACT: THE INTERACTIVE RETRIEVAL SYSTEM CAN USE A VARIETY OF TERMINALS AND COMMUNICATIONS TO ACCESS THE LOCKHEED COMPUTER CENTER: ANY TELETYPE-COMPATIBLE, DIAL-UP TERMINAL FROM 10 TO 120 CHARACTERS PER SECOND, AS WELL AS CERTAIN HIGH-SPEED CRT TERMINALS UP TO 480 CPS. SEVERAL FORMS OF COMMUNICATON ARE AVAILALE, INCLUDING THE TYMSHARE NATIONAL COMMUNICATONS NETWORK WITH LOCAL NUMBER ACCESS IN OVER 40 CITIES, LOCKHEED'S OWN HIGH-SPEED NETWORK, OR ANY VOICE- GRADE TELEPHONE LINE. SEARCH CHARGES ARE $25 PER TERMINAL HOUR FOR ERIC AND NAL/CAIN, $35 FOR NTIS AND PANDEX, AND $50 FOR PSYCHOLOGICAL ABSTRACT.

NAME: LEADERMART
SOFTWARE: LEADER, LEADERMART
ORIGINATOR: MART LIBRARY, LEHIGH UNIVERSITY
ADDRESS: LEHIGH UNIVERSITY, CENTER FOR INFORMATON SCIENCE, BETHLEHEM, PENNSYLVANIA 18015
PHONE: (215) 691-7100, X 631
CONTACT: DONALD J. HILLMAN, DIRECTOR
ABSTRACT: INTERACTIVE RETROSPECTIVE SEARCH SERVICE IS AVAILABLE BUT COVERING AT MOST 24 RECENT MONTHS OF RECURRING DATA BASES. THE QUERY LANGUAGE IS IN NATURAL ENGLISH. IT COSTS $55.00 PER CONNECT HOUR ($45.00 FOR GOVERNMENT AND UNIVERSITIES).

NAME: MASTER CONTROL
SOFTWARE: MASTER CONTROL VERSION 3
ORIGINATOR: LAWRENCE LIVERMORE LABORATORY, INFORMATION RESEARCH GROUP
ADDRESS: UNIVERSITY OF CALIFORNIA, P.O. BOX 808, LIVERMORE, CALIFORNIA 94550
PHONE: (415) 447-1100, X3132
CONTACT: VIKTOR HAMPEL
ABSTRACT: MASTER CONTROL SYSTEM AT LAWRENCE LIVERMORE LABORATORY OFFERS INTERACTIVE SEARCH SERVICE ON 35 MAJOR DATA BASES, INCLUDING NUCLEAR SCIENCE ABSTRACTS, CHEMICAL TITLES, AND ENGINEERING INDEX. THE COST OF SEARCH SERVICE IS AVAILALE ON REQUEST.

NAME: RECON, RECON/STIMS, JURIS, ENVIRON, TOXICON
SOFTWARE: RECON/STIMS
ORIGINATOR: NASA, SCIENCE & TECHNICAL INFORMATION DIVISION
ADDRESS: NASA, WASHINGTON, D.C. 20230
PHONE: (301) 755-3465
CONTACT: VAN WENTE
ABSTRACT: THE RECON SYSTEM IS TECHNICALLY THE SAME AS LOCKHEED'S DIALOG SYSTEM. IT PROVIDES INTERACTIVE SEARCH SERVICE TO SEVERAL DATA BASES INCLUDING CBAC, TOXICON, JURIS, STAR, IAA, AND NLM.

NAME: ORBIT, ORBIT III, SDC, SYSTEM DEVELOPMENT CORP.
SOFTWARE: ORBIT III
ORIGINATOR: SYSTEM DEVELOPMENT CORP.
ADDRESS: 2500 COLORADO AVE., SANTA MONICA, CALIFORNIA, 90406
PHONE: (213) 393-9411
CONTACT: CARLOS A. CUADRA
ABSTRACT: THE INTERACTIVE SEARCH SERVICE COST $22 TO $35 PER HOUR. DATA BASES INCLUDES ERIC, MEDLINE, CA-C, AND CAIN.

NAME: SPIRES, STANFORD PUBLIC INFORMATION RETRIEVAL SYSTEM, BALLOTS, BIBLIOGRAPHIC AUTOMATION OF LARGE LIBRARIES USING A TIME SHARING SYSTEM
SOFTWARE: SPIRES, STANFORD PUBLIC INFORMATION RETRIEVAL SYSTEM, SPIRES II
ORIGINATOR: STANFORD UNIVERSITY, INSTITUTE FOR COMMUNICATION RESEARCH
ADDRESS: CYPRESS HALL, STANFORD UNIVERSITY, STANFORD, CALIFORNIA 94305
PHONE: (415) 321-2300 X2755
CONTACT: RON JAMTGAARD, DIRECTOR
ABSTRACT: INTERACTIVE SEARCH AVAILABLE AND THE FILE DEFINITION IS ALSO ON-LINE. THIS DATA BASE IS BUILD WITH THE SPIRES II SYSTEM. THE SYSTEM CONTAINS TUTORIAL FEATURES AND IS VERY EASY TO USE.

NAME: CIS, CENTER FOR INFORMATION SERVICES, UCLA CAMPUS COMPUTING NETWORK
SOFTWARE: INFORMATION PRCESSING SYSTEM, IPS, TEXT-PAC, TEXTPAC
ORIGINATOR: UCLA, CAMPUS COMPUTING NETWORK, UNIVERSITY LIBRARY AND INSTITUTE OF LIBRARY RESEARCH
ADDRESS: UCLA, LOS ANGELES, CALIFORNIA, 90024
PHONE: (213) 825-7511
CONTACT: WILLIAM B. KEHL, DIRECTOR
ABSTRACT: INTERACTIVE RETRIEVAL CAPABILITIES ARE AVAILABLE UNDER TSO (IBM'S TIME-SHARING OPTION). THE INTERACTIVE SYSTEM IS ACCESSED THROUGH THE UCLA CAMPUS COMPUTING NETWORK'S FACILITIES.

NAME: UNIVERSITY OF GEORGIA, UGA TEXT SEARCH, UNIVERSITY OF GEORGIA COMPUTER CENTER
SOFTWARE: UGA TEXT SEARCH SYSTEM
ORIGINATOR: UNIVERSITY OF GEORGIA, UNIVERSITY OF GEORGIA COMPUTER CENTER
ADDRESS: ATHENS, GEORGIA, 30601
PHONE: (404) 542-3106
CONTACT: DR. JAMES CARMON
ABSTRACT: BATCH RETROSPECTIVE SEARCH SERVICE IS AVAILABLE AND THE COST IS FREE TO UNIVERSITY OF GEORGIA PERSONNEL. HOWEVER SEARCHES FOR OTHERS ARE PRICED ON A COST-RECOVERY BASIS.

NAME: LEADERMART
SOFTWARE: LEADER, LEADERMART
ORIGINATOR: MART LIBRARY, LEHIGH UNIVERSITY
ADDRESS: LEHIGH UNIVERSITY, CENTER FOR INFORMATON SCIENCE, BETHLEHEM, PENNSYLVANIA 18015
PHONE: (215) 691-7100, X 631
CONTACT: DONALD J. HILLMAN, DIRECTOR
ABSTRACT: BATCH RETROSPECTIVE SERACH SERVICE IS AVAILABLE BUT THE FURTHEST BACK ANY DATA BASE GOES IS 1970. THE RESPONSE TIME IS MAXIMUM TWO WEEKS.

NAME: CDIS, CAMPUS-BASED INFORMATION SYSTEM, UNIVERSITY OF PITTSBURGH, KASC, KNOWLEDGE AVAILABILITY SYSTEMS CENTER
SOFTWARE: PIRATES, PITTSBURGH INFORMATON RETRIEVAL AND TEXT SEARCH
ORIGINATOR: UNIVERSITY OF PITTSBURGH
ADDRESS: LIBRARY AND INFORMATION SCIENCE BUILDING, 135 NORTH BELLEFIELD, PITTSBURGH, PENNSYLVANIA, 15213
PHONE: (412) 621-3500, X6352
CONTACT: ALLEN KENT, DIRECTOR
ABSTRACT: BATCH RETROSPECTIVE SEARCH AVAILABLE. THE QUERY FORMATION MAY BE DONE ON-LINE OR THROUGH KASC ASSISTANCE.

NAME: CIS, CENTER FOR INFORMATION SERVICES, UCLA CAMPUS COMPUTING NETWORK
SOFTWARE: INFORMATION PRCESSING SYSTEM, IPS, TEXT-PAC, TEXTPAC
ORIGINATOR: UCLA, CAMPUS COMPUTING NETWORK, UNIVERSITY LIBRARY AND INSTITUTE OF LIBRARY RESEARCH
ADDRESS: UCLA, LOS ANGELES, CALIFORNIA, 90024
PHONE: (213) 825-7511
CONTACT: WILLIAM B. KEHL, DIRECTOR
ABSTRACT: BATCH RETRIEVAL SERVICE IS OPERATING UNDER THE PROTOTYPE OPERATION OF IPS.

Current Awareness Services (CA)

NAME: UNIVERSITY OF GEORGIA, UGA TEXT SEARCH, UNIVERSITY OF GEORGIA COMPUTER CENTER
SOFTWARE: UGA TEXT SEARCH SYSTEM
ORIGINATOR: UNIVERSITY OF GEORGIA, UNIVERSITY OF GEORGIA COMPUTER CENTER
ADDRESS: ATHENS, GEORGIA, 30601
PHONE: (404) 542-3106
CONTACT: DR. JAMES CARMON
ABSTRACT: CURRENT AWARENESS SERVICE IS AVAILABLE FREE TO THE UNIVERSITY OF GEORGIA PERSONNEL. HOWEVER FOR OTHERS PRICES ARE ESTABLISHED ON A PER-PROFILE PER-ISSUE OF THE DATA BASE.

NAME: LEADERMART
SOFTWARE: LEADER, LEADERMART
ORIGINATOR: MART LIBRARY, LEHIGH UNIVERSITY
ADDRESS: LEHIGH UNIVERSITY, CENTER FOR INFORMATON SCIENCE, BETHLEHEM, PENNSYLVANIA 18015
PHONE: (215) 691-7100, X 631
CONTACT: DONALD J. HILLMAN, DIRECTOR
ABSTRACT: CURRENT AWARENESS SERVICES ARE AVAILABLE FOR $15.00 PER MONTH PER PROFILE, REGARDLESS OF DATA BASE. PROFILE DEFINITION ASSISTANCE IS AVAILABLE FROM INFORMATION SPECIALISTS IN THE MART LIBRARY.

NAME: MECHANIZED INFORMATION SYSTEM, MIC, OHIO STATE UNIVERSITY
SOFTWARE: MIC, MECHANIZED INFORMATION SYSTEM, TIDB, TECHNICAL INFORMATION DISSEMINATION BUREAU, MIC SEARCH
ORIGINATOR: THE OHIO STATE UNIVERSITY, DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE
ADDRESS: OHIO STATE UNIVERSITY, COLUMBUS, OHIO, 43212
PHONE: (614) 422-3480
CONTACT: GERALD LAZORICK, ASSOCIATE PROFESSOR
ABSTRACT: CURRENT AWARENESS SERVICE IS AVAILALE. TYE PROFILES ARE DEFINED BY THE USER WITH THE ASSISTANCE OF AN INFORMATION SPECIALIST OF MIC. THE CURRENT AWARENESS SEARCHES ARE RUN EVERY TWO WEEKS. SERVICES ARE FREE TO THE UNIVESITY USER, BUT THERE IS A CHARGE TO NON-UNIVERSITY USERS OF $300 PER PROFILE PER YEAR. BATCH RETROSPECTIVE SEARCH SERVICE WILL ALSO BE AVAILABLE AS SOON AS SOFTWARE IS COMPLETED. NOTE THAT THE OHIO STATE'S CURRENT AWARENESS SERVICE UTILIZES AN INTEGRATED DISCIPLINE-CROSSING DATA BASE. EOUR MAJOR DATA BASES, PANDEX, ISI SOURCE TAPES, NTIS, AND MARC HAVE BEEN MERGED WITH DUPLICATES ELIMINATED. CHEMICAL TITLES IS NOT MERGED INTO THE MULTIDISCIPLINARY DATA BANK.

NAME: CBIS, CAMPUS-BASED INFORMATION SYSTEM, UNIVERSITY OF PITTSBURGH, KASC, KNOWLEDGE AVAILABILITY SYSTEMS CENTER
SOFTWARE: PIRATES, PITTSBURGH INFORMATON RETRIEVAL AND TEXT SEARCH
ORIGINATOR: UNIVERSITY OF PITTSBURGH
ADDRESS: LIBRARY AND INFORMATION SCIENCE BUILDING, 135 NORTH BELLEFIELD, PITTSBURGH, PENNSYLVANIA, 15213
PHONE: (412) 621-3500, X6352
CONTACT: ALLEN KENT, DIRECTOR
ABSTRACT: CURRENT AWARENESS SERVICE IS AVAILALE. THE PROFILE DEEINITION IS ON-LINE BY USER OR THROUGH KASC ASSISTANCE FOR OFF-LINE INPUT. THERE ARE ALSO CUSTOM PROFILES AVAILABLE.

NAME: CIS, CENTER FOR INFORMATION SERVICES, UCLA CAMPUS COMPUTING NETWORK
SOETWARE: INEORMATION PRCESSING SYSTEM, IPS, TEXT-PAC, TEXTPAC
ORIGINATOR: UCLA, CAMPUS COMPUTING NETWORK, UNIVERSITY LIBRARY AND INSTITUTE OF LIBRARY RESEARCH
ADDRESS: UCLA, LOS ANGELES, CALIEORNIA, 90024
PHONE: (213) 825-7511
CONTACT: WILLIAM B. KEHL, DIRECTOR
ABSTRACT: UCLA OFEERS CURRENT AWARENESS SERVICE USING AN INTERIM SOFTWARE, IBM'S TEXT-PAC. PROFILES ARE DEFINED BY THE REEERENCE LIBRARIANS AND THE SERVICE IS FREE TO THE UNIVERSITY USERS.

6.3 CROSS INDEX

Names*	IR	BR	CA
Biological Abstracts Previews	UCLA/CIS	UCLA/CIS GEORGIA	UCLA/CIS GEORGIA
Chemical Abstracts Condensates	BASIS UCLA/CIS LEHIGH/LEADERMART ORBIT	GEORGIA UCLA/CIS LEHIGH/LEADERMART PITTSBURGH/CBIS	GEORGIA UCLA/CIS LEHIGH/LEADERMART PITTSBURGH/CBIS
Chemical-Biological Activities	RECON	GEORGIA	GEORGIA
Chemical Titles	MASTER CONTROL	PITTSBURGH/CBIS GEORGIA	OHIO/MIC PITTSBURGH/CBIS GEORGIA
COMPENDEX	UCLA/CIS LEHIGH/LEADERMART MASTER CONTROL	UCLA/CIS LEHIGH/LEADERMART PITTSBURGH/CBIS GEORGIA	UCLA/CIS LEHIGH/LEADERMART PITTSBURGH/CBIS GEORGIA
Current Index to Journals in Education	UCLA/CIS DIALOG ORBIT	GEORGIA UCLA/CIS	GEORGIA UCLA/CIS
Geological Reference File		GEORGIA	GEORGIA
Government Report Announcements	BASIS DIALOG	GEORGIA PITTSBURGH/CBIS	OHIO/MIC GEORGIA PITTSBURGH/CBIS
ISI Source Index			OHIO/MIC
MARC Books	LEHIGH/LEADERMART STANFORD/SPIRES	LEHIGH/LEADERMART	OHIO/MIC LEHIGH/LEADERMART
Metals Abstracts Index		PITTSBURGH/CBIS	PITTSBURGH/CBIS
National Agricultural Library CAIN Data Base	UCLA/CIS DIALOG ORBIT	UCLA/CIS GEORGIA	UCLA/CIS GEORGIA
Nuclear Science Abstracts	MASTER CONTROL	GEORGIA	GEORGIA
PANDEX	DIALOG		OHIO/MIC
Psychological Abstracts	DIALOG DATA CENTRAL		
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*Data bases with no retrieval service entries are not listed.

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